# OLD PALISADE HIGH SCHOOL DEMOLITION

PALISADE, COLORADO

# 100% CONSTRUCTION DOCUMENTS

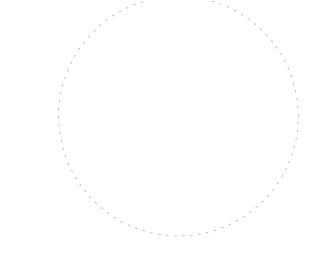
chamberlin

Grand Junction, CO 81501

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437 Main Street

970.242.6804



OLD PALISADE HIGH SCHOOL **DEMOLITION** 

711 IOWA AVENUE PALISADE, COLORADO

**COVER SHEET** 

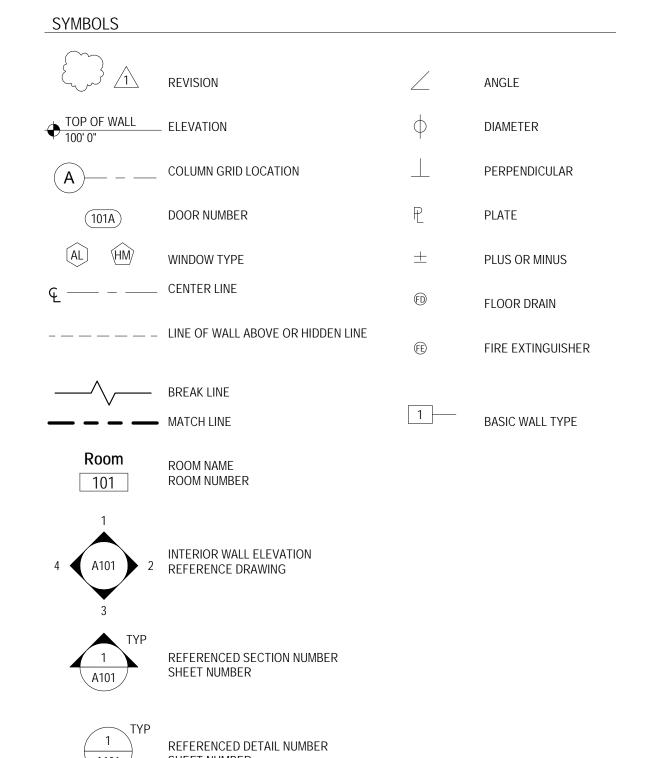
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CONSTRUTCION DOCUMENTS DATE:

PROJECT NO:

2131

11/10/2021 SHEET NO:



# **VICINITY MAP**

# ARCHITECTURAL ABBREVIATIONS

		l		
ABV	above		EIFS	exterior insul finish sys
ACC	accessories		EJ	expansion joint
AFF	above finished floor		EL	elevation
ALT	alternate		ELEC	electric (al)
AL	aluminum		EM	emergency
APC	acoustical panel ceiling		EWC	electric water cooler
ARCH	architect (ural)		EWG	end wall corner guard
ASPH	asphalt		EQ	equal
A/C	air conditioning		EXG	existing
	ŭ		EXH	exhaust
BCS	baby changing station		EXP	exposed
BD	board		EXT	exterior
BLDG	building			
BLKG	blocking		FBO	furnished by owner
ВО	bottom of		FD	floor drain
BRG	bearing		FDN	foundation
			FE	fire extinguisher
CBU	cementitious backer unit		FEC	fire extinguisher cabin
CG	corner guard		FEP	finished end panel
CJ	control joint		FFE	finished floor elevation
CLG	ceiling		FIN	finish
CLR	clear (ance)		FLG	flashing
CMU	concrete masonry unit		FLR	floor (ing)
COL	column		FLUR	fluorescent
CONC	concrete		FO	face of
CONT	continuous or continue		FRMG	framing
CORR CPET	corridor		FRP FT	fiber reinforced plastic foot (feet)
CPET	common path of egress travel carpet (ed)		FTG	footing
CSMT	casement		riG	looting
CT	ceramic tile		GA	gage, gauge
CTR	center		GAL	gallon
CWOG	center wall on grid		GALV	galvanized
000	gerner trail en gra		GB	grab bar
DBL	double		GC	general contractor
DEMO	demolish / demolition		GL	glass, glazing
DF	drinking fountain		GWB	gypsum wallboard
DIM	dimension (s)		GYP	gypsum
DIR	direction			031
DISP	dispenser		HAS	headed anchor stud
DN	down		HB	hose bibb
DR	door		HCP	handicap (ed)
DS	downspout		HDR	header
DTL	detail		HDW	hardware
DWG	drawing		HM	hollow metal
DIAID	1		LIOD	1 1 1 1 1

HOR

HSS

HT

horizontal

height

HWD hardwood

HVAC heating /ventilation /

air conditioning

hollow structural sections

DWR

EA

drawer

each

evaporative cooler

etched glass/glazing

INCL INSUL INT INV	include (d) (ing) insulate (d) (ing) interior invert
JST JT	joist joint
L LAM LAV LB LF LG LIN LT	length, angle laminate (d) lavatory pound lineal foot laminated glass, glazing linoleum light
MA MAS MATL MAX MB MECH MFR MH MIN MISC MLD MO MT MTL	match masonry material maximum marker board mechanic (al) manufacture (r) (d) manhole minimum miscellaneous molding, moulding masonry opening mount (ed) (ing) metal
N N/A NIC NOM NTS NECY	north not applicable not in contract nominal not to scale necessary
OC OD OFCI	on center (s) outside diameter owner furnished,
OFD OFOI	contractor installed overflow drain owner furnished, owner installed
ОН	owner installed overhead

occupant load

OLF occupant load factor

		1	
OPG	opening	SHT	sheet
OPH	opposite hand	SHTG	sheathing
OPP	opposite	SIM	similar
OSB	oriented strand board	SPEC	specification
OTS	open to structure	SQ	square
		SS	solid surface
PB	particle board	SST	stainless steel
PERF	perforate (d)	STD	standard
PERIM	perimeter	STL	steel
PLAM	plastic laminate	STOR	storage
PLT	plate	STR	structural
PNL PNT	panel	SUSP	suspended
PR	paint (ed) pair	Т	tread
PROJ	projector, projection	TB	towel bar
PSF	pounds per square foot	TD	travel distance
PSI	pounds per square inch	TEL	telephone
PT	pressure treated	TERM	terminate (ion)
PTD	paper towel dispenser	T.O.	top of
PTN	partition	TOC	top of concrete
PVC	polyvinyl chloride	TOS	top of steel
PVMT	pavement	TOW	top of wall
PWD	plywood	TPD	toilet paper dispenser
		TS	tube steel
QT	quarry tile	TYP	typical
_		T&G	tongue and groove
R	riser, radius	LINIO	
RB DEC	rubber base	UNO	unless noted otherwise
REC RCMD	recycling recommend (ed) (ations)	VB	vapor barrier
RE	reference	VCT	vinyl composition tile
REF	refrigerator	VERT	vertical
REIN	reinforce (d) (ing)	VIF	verify in field
REQ	required	VM	vending machine
REV	revision (s), revised	VNL	vinyl sheet
RD	roof drain	VTR	vent through roof
RFG	roofing		_
RH	robe hook	W	west, wide, width
RM	room	W/	with
RO	rough opening	WB	wood base
ROW	right of way	WC	watercloset
RR	restroom	WD	wood
RTU	roof top unit	WDW	window
RUB	rubber	WF	wide flange
S	couth	W/O	without
S SAG	south susp acoustic grid	WP WR	waterproof (ing) waste receptacle
SAG	shower curtain rod & hooks	WRB	waste receptacie weather resistive barrier
SCH	schedule	VVIXD	(= weather barrier)
SD	soap dispenser	WWM	welded wire mesh
	· h · · · h · · · · · ·		

# **GENERAL NOTES**

- 1. COMPLY WITH ALL MANUFACTURERS RECOMMENDATIONS AND INDUSTRY STANDARDS RELEVANT TO THE WORK
- 2. ALL DIMENSIONS ARE FROM FACE OF FINISH
- 3. ALL ALIGNMENTS ARE FACE OF FINISH UNO. 4. FIELD VERIFY ALL DIMENSIONS AND ROUGH OPENINGS PRIOR TO FABRICATION AND/OR

# **DRAWING LIST**

STRUCTURAL

S104

TOWN OF PALISADE
175 East 3rd Street
PALISADE, COLORADO 8152

**OWNER** 

# **DESIGN TEAM**

CIVIL: JUB ENGINEERS, INC. 305 Main Street, Unit 6 PALISADE, CO 81526 PHONE: (970) 208-8508

**ARCHITECT:** CHAMBERLIN ARCHITECTS 437 Main St. Grand Junction, CO 81501 (970) 242-6804

STRUCTURAL: 802 ROOD AVE GRAND JUNCTION, CO 81501 PHONE: (970) 241-0900

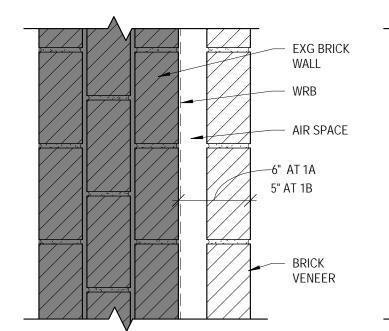
# MECHANICAL / ELECTRICAL BIGHORN CONSULTING ENGINEERS, INC

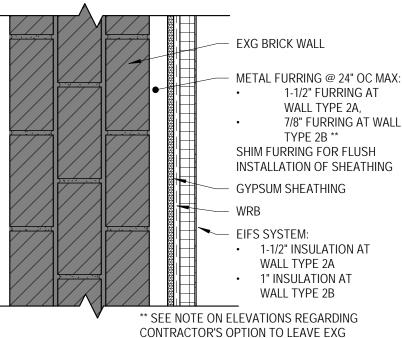
569 S. WESTGATE DR. SUITE 1 GRAND JUNCTION, CO 81505 PHONE: (970) 241-8709

# **DRAWING LIST**

G001	COVER SHEET	MECHANICAL		
		M0-1	MECHANICAL GENERAL NOTES	
ARCHITEC	TURAL	M1-1	MECHANICAL BASEMENT	
A001	EXISTING SITE PLAN FOR		DEMOLITION PLAN	
	REFERENCE	M1-2	MECHANICAL MAIN FLOOR	
A002	CODE CHECKLIST & LIFE SAFETY		DEMOLITION PLAN	
	PLAN	M1-3	MECHANICAL UPPER FLOOR	
A011	ARCHITECTURAL SITE DEMOLITION	144	DEMOLITION PLAN	
1010	PLAN	M1-4	MECHANICAL ROOF DEMOLITION PLAN	
A012	ARCHITECTURAL SITE PLAN		PLAN	
A021	BASEMENT DEMO PLAN	DLLIMDING	<u> </u>	
A022	MAIN FLOOR DEMO PLAN	PLUMBING		
A023	UPPER LEVEL DEMO PLAN	P0-1	PLUMBING GENERAL NOTES	
A024	ROOF DEMO PLAN	P1-1	PLUMBING BASEMENT DEMOLITION	
A031	DEMOLITION PHOTOS AND NOTES	5.4.6	PLAN	
A032	DEMOLITION PHOTOS AND NOTES	P1-2	PLUMBING MAIN FLOOR	
A101	BASEMENT AND MAIN FLOOR	D1 1	DEMOLITION PLAN	
	PLANS	P1-3	PLUMBING UPPER FLOOR DEMOLITION PLAN	
A102	UPPER LEVEL PLAN	P1-4	PLUMBING ROOF DEMOLITION PLAN	
A141	ROOF PLAN	Г 1 <del>-4</del>	FEUNDING ROOF DEMOCITION FEAN	
A201	EXTERIOR ELEVATIONS	ELECTRIC	۸۱	
A601	ARCHITECTURAL DETAILS	F2-0	ELECTRICAL SITE DEMOLITION	
A641	ROOF DETAILS	EZ-U	PLAN	
A701	DOOR SCHEDULE, DOOR & FRAME	E2-1	ELECTRICAL BASEMENT	
	TYPES, DETAILS	<u> 1</u>	DEMOLITION PLAN	

E2-3





STRUCTURAL GENERAL NOTES

FOUNDATION DEMOLITION PLAN

ROOF DEMOLITION PLAN

FOUNDATION PLAN

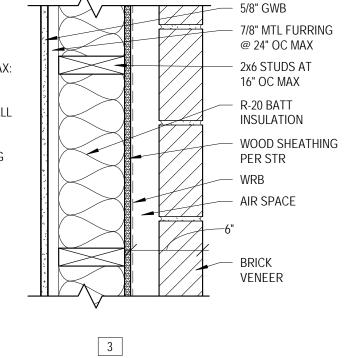
**ROOF PLAN** 

SECOND FLOOR PLAN

SECOND FLOOR DEMOLITION PLAN

FOUNDATION & FRAMING SECTIONS

CONTRACTOR'S OPTION TO LEAVE EXG PLASTER IN PLACE. IF OPTION IS TAKEN, PROVIDE ADJUSTABLE CLIPS AND/OR ADJUST THE DEPTH OF FURRING OR SHIMS TO ACCOMODATE THE REMAINING PLASTER



E2-2 ELECTRICAL MAIN FLOOR PLANS,

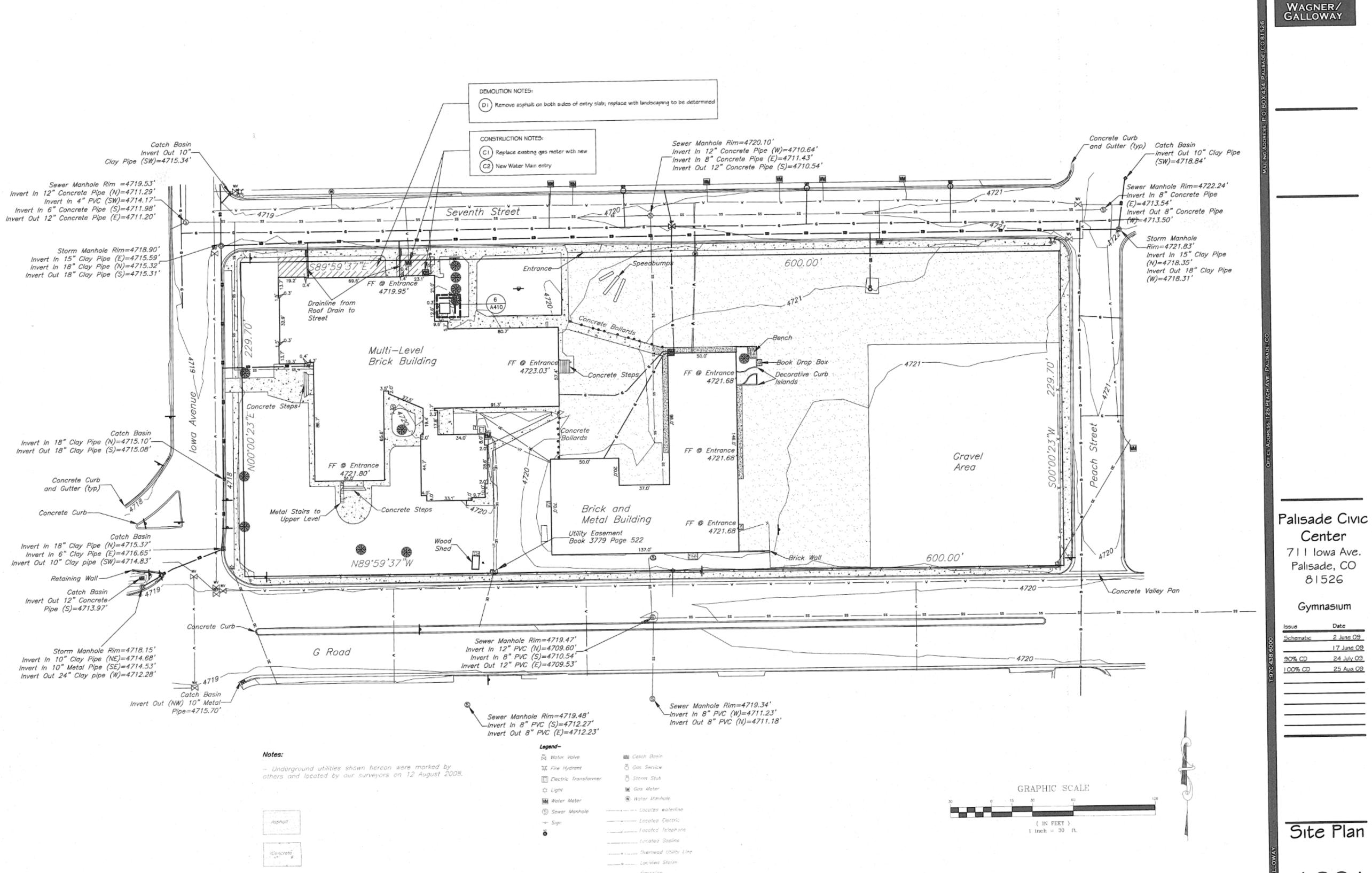
DEMOLITION PLAN

LUMINAIRE SCHEDULE AND ONE

ELECTRICAL ROOF DEMOLITION

ELECTRICAL UPPER FLOOR

1 4 WALL TYPES



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711 IOWA AVENUE PALISADE, COLORADO

HIGH SCHOOL

**DEMOLITION** 

# EXISTING SITE PLAN FOR REFERENCE

ISSUED FOR:

Plan No:

A00

WAGNER/ GALLOWAY

Site Plan

Scale: 1" = 30'-0"

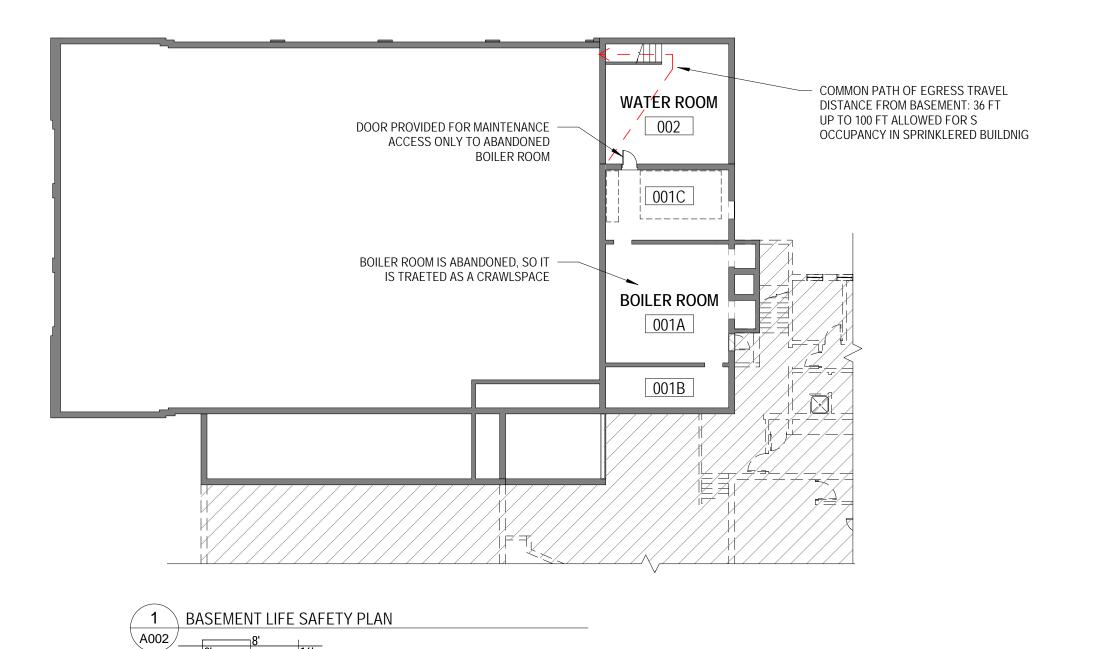
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THIS DRAWING WAS PRODUCED FOR A PREVIOUS PROJECT.
ACCURACY OF THE DRAWING HAS NOT BEEN VERIFIED. IS
PROVIDED FOR REFERENCE ONLY.



CUSTODIAN

**GYMNASIUM** 

100

2 MAIN FLOOR LIFE SAFETY PLAN

NOT AN EXIT DOOR

OFFICE 104,

EXISTING NON-COMPLIANT CONDITION:

COMMON PATH OF EGRESS TRAVEL DISTANCE FROM UPPER LEVEL:

UP TO 100 FT ALLOWED FOR S OCCUPANCY IN SPRINKLERED BUILDING. A SECOND STAIR IS BEING REMOVED FROM THE UPPER LEVEL, BUT IT IS NOT FAR ENOUGH FROM THE REMAINING STAIR TO QUALIFY AS A SECOND EXIT. IT HAS ALSO BEEN LOCKED BECAUSE IT DOES NOT

- HATCHED AREA IS BEING DEMOLISHED

PROVIDE A COMPLIANT EGRESS ROUTE.

CODE CHECKLIST

CODES IN USE:

2018 INTERNATIONAL BUILDING CODE (IBC) 2018 INTERNATIONAL MECHANICAL CODE (IMC) 2009 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) 2018 INTERNATIONAL PLUMBING CODE (IPC) 2018 INTERNATIONAL FUEL GAS CODE (IFGC) 2021 NATIONAL ELECTRICAL CODE (NEC)

**USE AND OCCUPANCY CLASSIFICATION, CHAPTER 3** 

TYPE OF OCCUPANCY: ASSEMBLY GROUP A-3

**GENERAL BUILDING HEIGHTS AND AREAS, CHAPTER 5** 

BUILDING AREA, AFTER DEMOLITION & RENOVATION : MAIN LEVEL: ROOF OVERHANGS: 1,054 + 1,363 + 1,230 +62 = 3,709 BUILDING AREA, CURRENT MAIN LEVEL 55,268 SF

**BUILDING AREA** 

<u> </u>	LDINO / II (L/ I			
		TOTAL	AREA	TOTAL AFTER
	FLOOR	EXISTING	DEMOLISHED	RENOVATION
	BASEMENT	6,193	4,969	410 *
	MAIN FLOOR	19,314	11,764	7,550
	SECOND FLOOR:	13,393	11,619	1,245 **
	TOTAL	38,900	28,352	9,205

\* 814 SF OF EXISTING BASEMENT BECOMES UNOCCUPIED \*\* 529 SF OF EXISTING 2ND FLOOR BECOMES UNOCCUPIED

ALLOWABLE AREA: 18,000 SF

MAXIMUM PER FLOOR (WITHOUT FRONTAGE INCREASE) FOR SPRINKLERED, MULTISTORY BUILDINGS PER TABLE

NUMBER OF STORIES: 2 STORIES ABOVE GRADE PLANE, + BASEMENT ALLOWABLE STORIES: 2 (PER 504.4)

BUILDING HEIGHT: 35' TO TOP OF UPPER PARAPET 50' APPROXIMATELY TO TOP OF CHIMNEY

ALLOWABLE HEIGHT: 60 FT

OPEN TO **GYM BELOW**  **TYPES OF CONSTRUCTION, CHAPTER 6** TYPE OF CONSTRUCTION: Type V-B

STRUCTUREAL ELEMENTS, EXTERIOR WALLS AND INTERIOR WALLS ARE OF ANY MATERIALS PERMITTED BY CODE.

BUILDING ELEMENT RATINGS, TABLE 601 PRIMARY STRUCTURAL FRAME EXTERIOR BEARING WALLS INTERIOR BEARING WALLS NONBEARING WALLS & PARTITIONS (EXTERIOR) 0 NONBEARING WALLS & PARTITIONS (INTERIOR) FLOOR CONSTRUCTION ROOF CONSTRUCTION

MEANS OF EGRESS, CHAPTER 10

OCCUPANT LOAD

FUNCTION AREA (GROSS) OCC LOAD FACTOR OCCUPANT LOAD ASSEMBLY: STAGE 567 SF GYMNASIUM 5,416 SF 7 NET BUSINESS: OFFICE: 265 SF 150 GROSS

ACCESSORY STORAGE: MECHANICAL ROOM, BOILER, STORAGE 2,010 SF 300 GROSS TOTAL OCCUPANT LOAD

\* THIS IS HIGHEST OCCUPANT LOAD LIKELY FOR GYMNASIUM. TYPICAL

USAGE IS FOR RECREATION WHERE THE OCCUPANT LOAD FACTOR WOULD BE 50 GROSS (EXERCISE ROOMS). THE FACTOR USED IN THE CODE REVIEW FOR THE PREVIOUS RENOVATION IS 15, BUT THE "CONCENTRATED" FACTOR OF 7 IS USED HERE TO PROVIDE MORE FLEXIBILITY FOR EVENTS. MAXIMUM OCCUPANCY WILL BE POSTED AT 360.

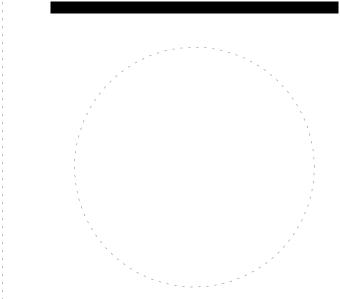
NUMBER OF EXITS REQUIRED 3

EXIT WIDTH: 821 OCCUPANTS / 3 EXITS = 274 X 0.15 IN PER PERSON = 41.1 INCHES WIDTH AT EACH OF THREE EXITS

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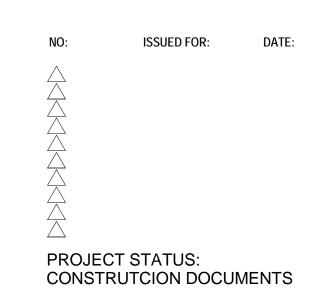
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# OLD PALISADE HIGH SCHOOL **DEMOLITION**

711 IOWA AVENUE PALISADE, COLORADO

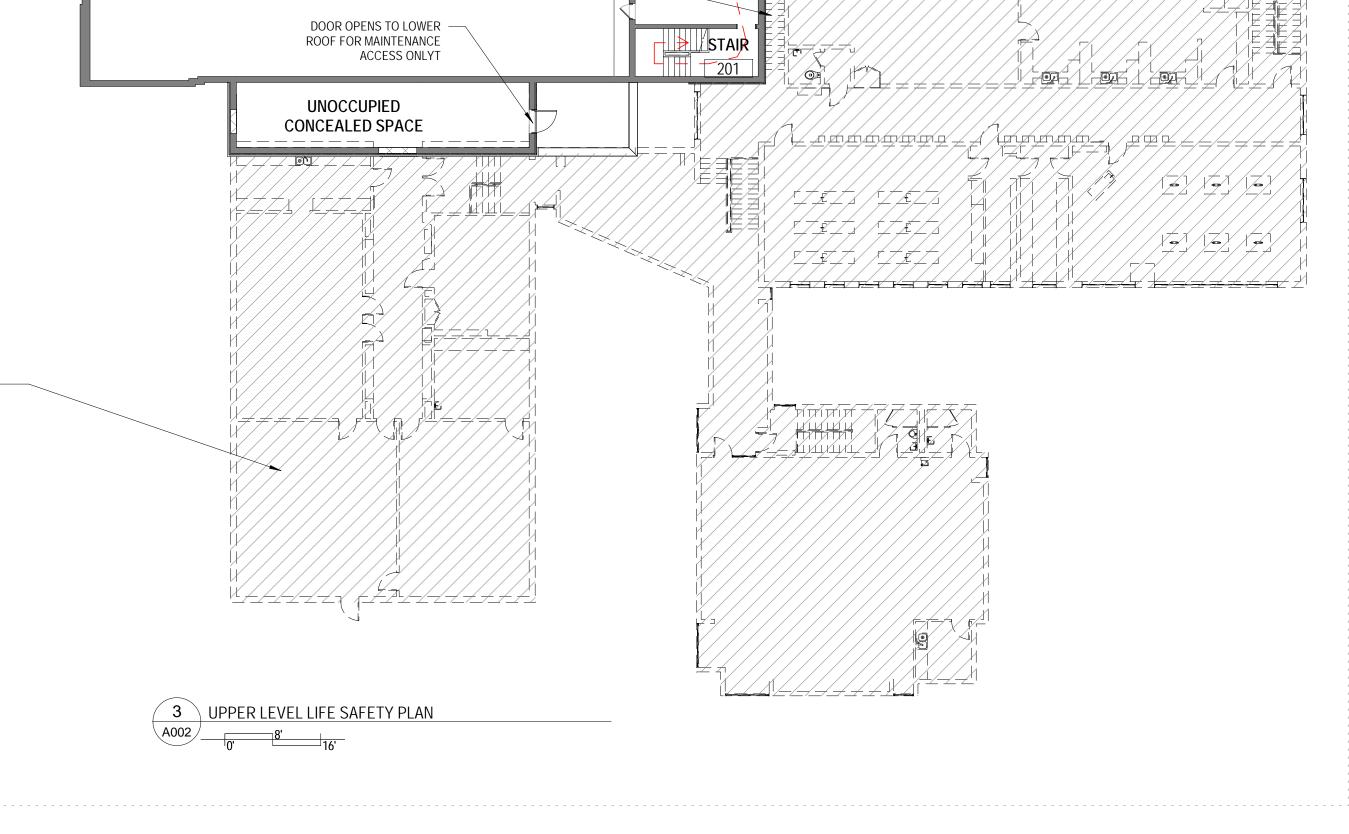
# CODE CHECKLIST & LIFE SAFETY PLAN



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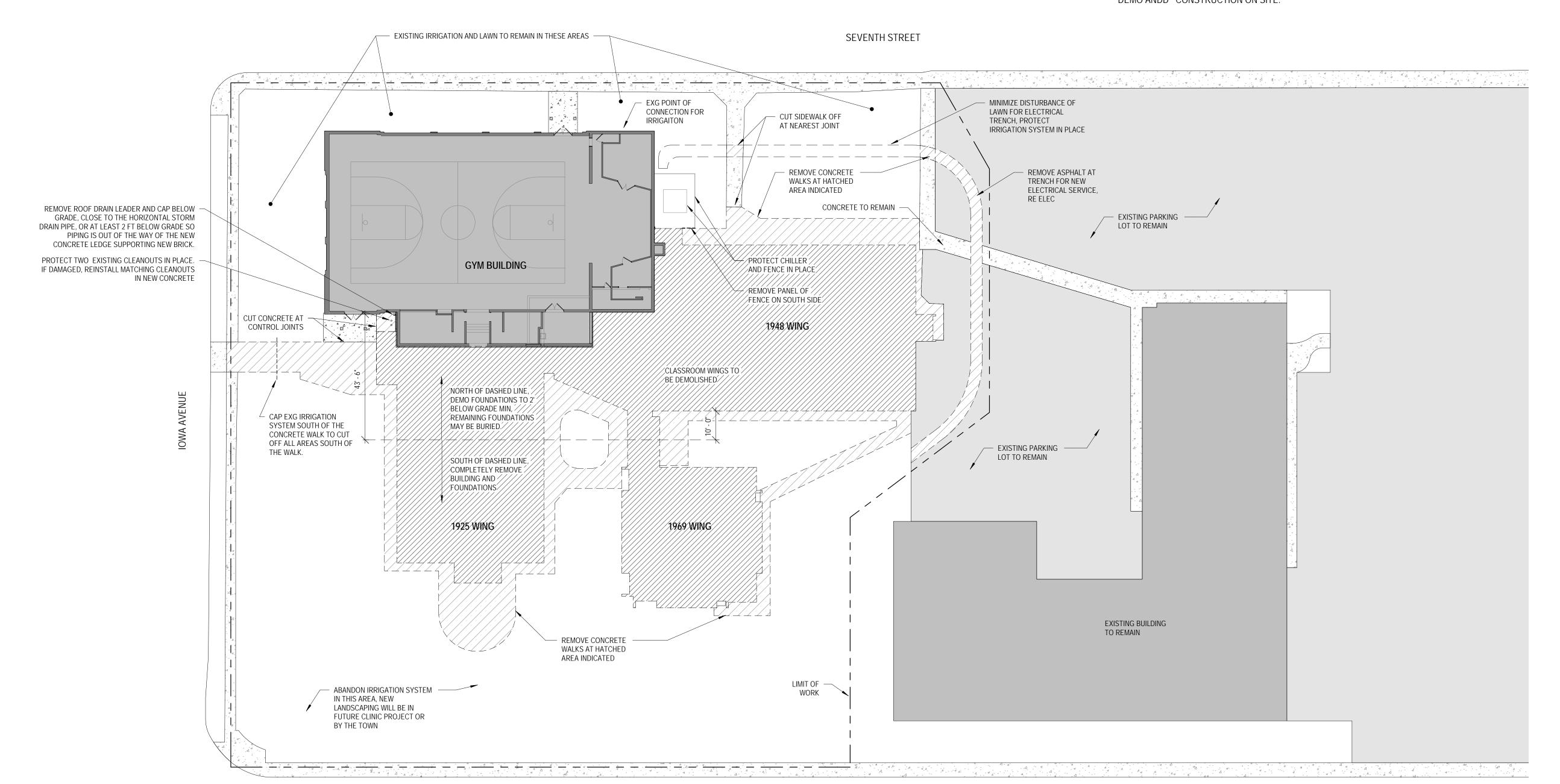
MECHANICAL

200\

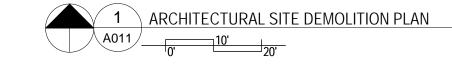
### SITE DEMOLITION NOTES

OFF SITE.

- 1. SEE SHEETS A021-A024 AND SPECIFICATIONS FOR ADDITIONAL ARCHITECTURAL DEMOLITION INFORMATION.
- 2. SEE MEP DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DEMOLITION INFORMATION.
- BACKFILL DEMOED AREAS WITH MOISTURE CONDITIONED PIT RUN MATERIAL TO BE LEVEL WITH EXISTING GRADE. PLACE FILL MATERIAL IN MAXIMUM 12INCH LIFTS AND COMPACT MATERIAL UNDER THE SUPERVISION OF A LICENSED GEOTECHNICAL ENGINEER. SLOPE FILL AREAS TO POSITIVELY DRAIN AWAY FROM THE BUILDING AND
- VERIFY IN FIELD THAT THERE ARE NO CROSS CONNECTIONS OF UTILITIES BETWEEN THE HIGH SCHOOL AND THE FIRE STATION BUILDING. NOTIFY ARCHITECT IMMEDIATELY IF ANY ARE DETERMINED TO EXIST.
- 5. CUT AND CAP UTILITIES BACK TO MAINS UNLESS OTHERWISE INDICATED WITHIN THE AREA OF DEMO.
- CONTRACTOR SHALL BE RESPONSIBLE FOR STORMWATER MANAGEMENT DURING DEMO AND CONSTRUCTION ON SITE.



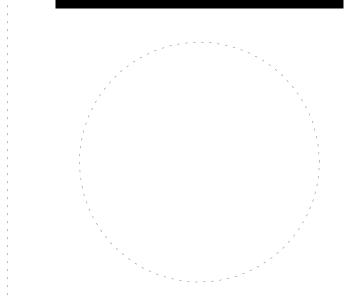
G ROAD



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# OLD PALISADE HIGH SCHOOL **DEMOLITION**

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# ARCHITECTURAL SITE DEMOLITION PLAN

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CONSTRUTCION DOCUMENTS

DATE:

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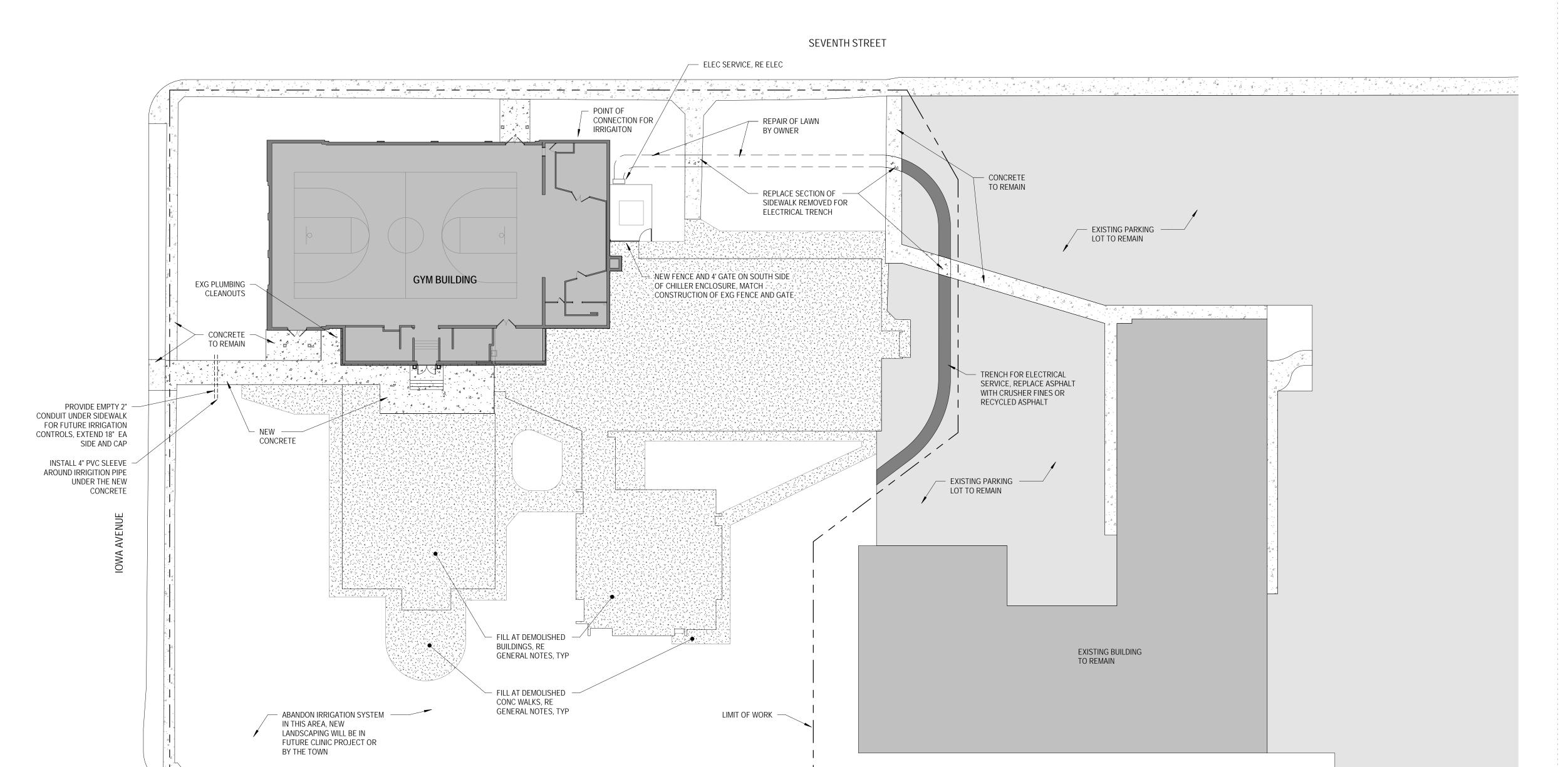
PROJECT NO:

11/10/2021 SHEET NO:

## GENEARL SITE CONSTRUCTION NOTES

- 1. ALL SIDEWALKS ON SITE AND ANY CONSTRUCTION REQUIRED IN RIGHT-OF-WAY SHALL CONFORM TO CITY OF GRAND JUNCTION STANDARD SPECIFICATIONS AND DRAWINGS.
- 2. BACKFILL DEMOED AREAS WITH MOISTURE CONDITIONED PIT RUN MATERIAL TO BE LEVEL WITH EXISTING GRADE. PLACE FILL MATERIAL IN MAXIMUM 12INCH LIFTS AND COMPACT MATERIAL UNDER THE SUPERVISION OF A LICENSED GEOTECHNICAL ENGINEER. SLOPE FILL AREAS TO POSITIVELY DRAIN AWAY FROM THE BUILDING AND
- 3. WHERE NEW CONCRETE WALKS ARE INDICATED ADJACENT TO EXISTING WALKS,
- MATCH EXISTING CONCRETE ELEVATIONS THE INTERFACE.

  NEW CONCRETE WALKS SHALL BE 4" THICK CONCRETE ON 8" OF COMPACTED OF
- NEW CONCRETE WALKS SHALL BE 4" THICK CONCRETE ON 8" OF COMPACTED CDOT CLASS 6 OVER COMPACTED SUBGRADE. SLOPE AWAY FROM BUILDING TO DRAIN.



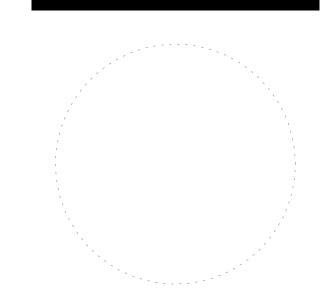
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# ARCHITECTURAL SITE PLAN

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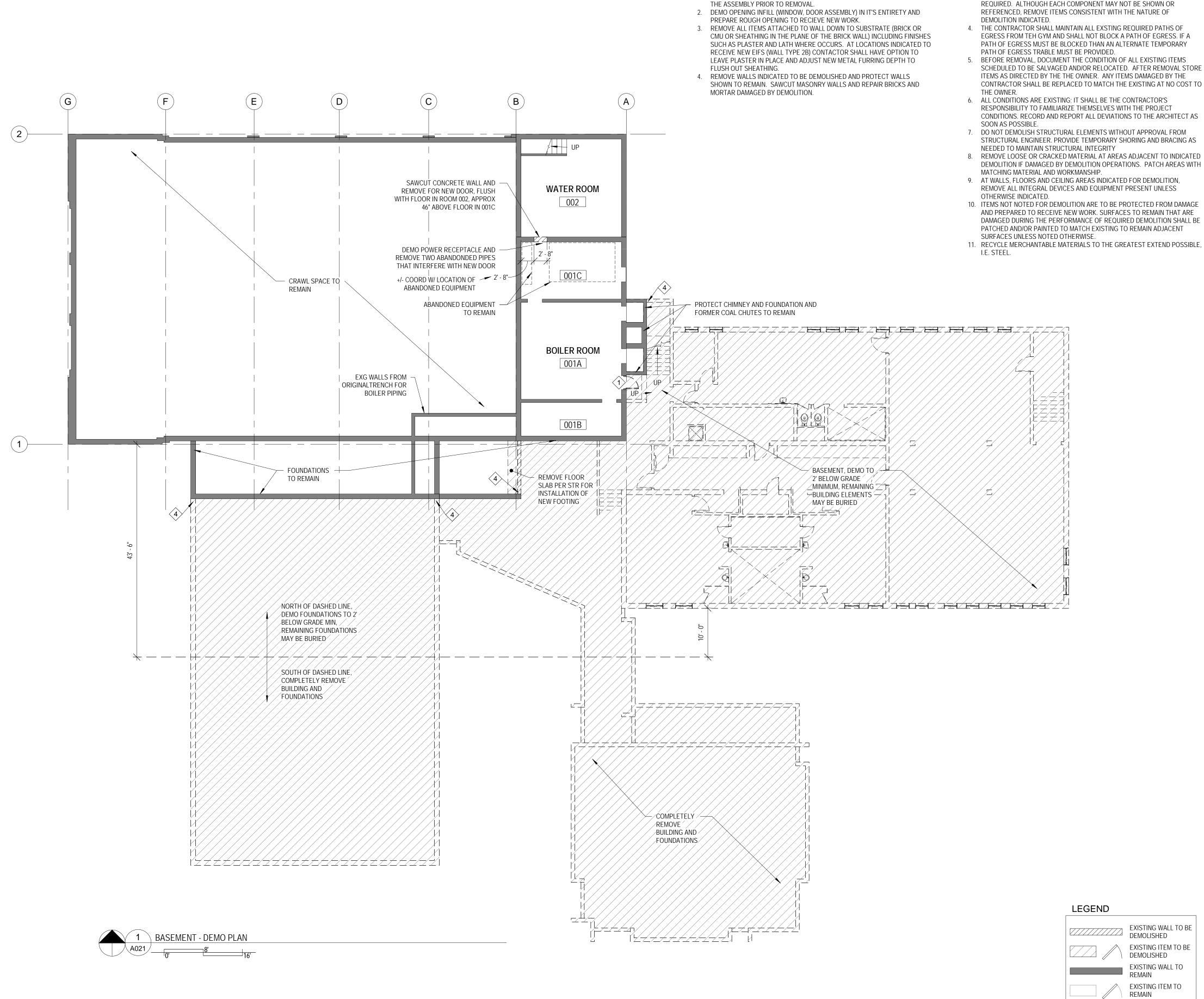
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A012



# GENERAL DEMOLITION NOTES

1. CAREFULLY REMOVE FOR SALVAGE AND REINSTALLATION THE PRECAST CONCRETE ASSEMBLY CONSISTING OF PILASTERS, ENTABLATURE WITH

FRIEZE AND ASSOCIATED WINDOW SURROUND (BRICK WINDOW SURROUND

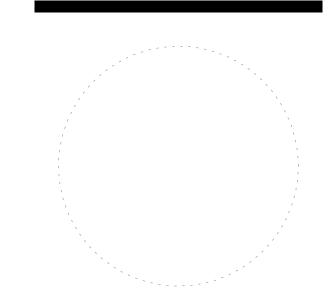
NOT REQUIRED TO BE SALVAGED). DOCUMENT ANY EXISTING DAMAGE TO

- 1. SEE PROJECT MANUAL SPECIFICATIONS AND REQUIREMENTS FOR DEMOLITION.
- 2. SEE MEP & STRUCTURAL DRAWINGS FOR ADDITIONAL DEMO INFORMATION. 3. THE DOCUMENTS SHOW THE OVERALL EXTENT OF DEMOLITION REQUIRED. ALTHOUGH EACH COMPONENT MAY NOT BE SHOWN OR
- 4. THE CONTRACTOR SHALL MAINTAIN ALL EXSTING REQUIRED PATHS OF EGRESS FROM TEH GYM AND SHALL NOT BLOCK A PATH OF EGRESS. IF A PATH OF EGRESS MUST BE BLOCKED THAN AN ALTERNATE TEMPORARY
- 5. BEFORE REMOVAL, DOCUMENT THE CONDITION OF ALL EXISTING ITEMS SCHEDULED TO BE SALVAGED AND/OR RELOCATED. AFTER REMOVAL STORE ITEMS AS DIRECTED BY THE THE OWNER. ANY ITEMS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED TO MATCH THE EXISTING AT NO COST TO
- 6. ALL CONDITIONS ARE EXISTING; IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH THE PROJECT CONDITIONS. RECORD AND REPORT ALL DEVIATIONS TO THE ARCHITECT AS
- 7. DO NOT DEMOLISH STRUCTURAL ELEMENTS WITHOUT APPROVAL FROM STRUCTURAL ENGINEER. PROVIDE TEMPORARY SHORING AND BRACING AS
- DEMOLITION IF DAMAGED BY DEMOLITION OPERATIONS. PATCH AREAS WITH
- 9. AT WALLS, FLOORS AND CEILING AREAS INDICATED FOR DEMOLITION, REMOVE ALL INTEGRAL DEVICES AND EQUIPMENT PRESENT UNLESS
- 10. ITEMS NOT NOTED FOR DEMOLITION ARE TO BE PROTECTED FROM DAMAGE AND PREPARED TO RECEIVE NEW WORK. SURFACES TO REMAIN THAT ARE DAMAGED DURING THE PERFORMANCE OF REQUIRED DEMOLITION SHALL BE PATCHED AND/OR PAINTED TO MATCH EXISTING TO REMAIN ADJACENT
- 11. RECYCLE MERCHANTABLE MATERIALS TO THE GREATEST EXTEND POSSIBLE,



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# OLD PALISADE HIGH SCHOOL **DEMOLITION**

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# BASEMENT DEMO PLAN

ISSUED FOR:

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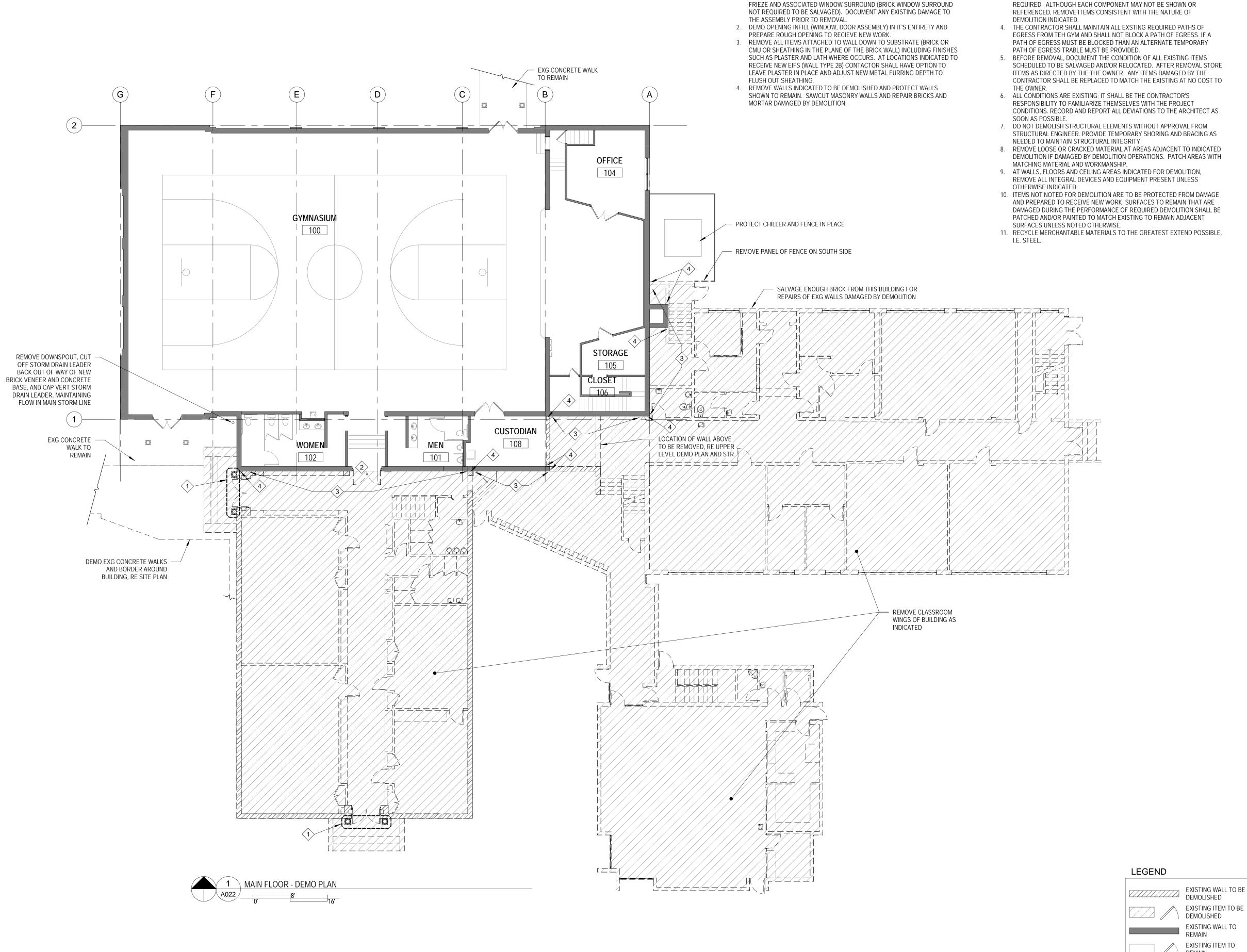
EXISTING ITEM TO BE

EXISTING WALL TO REMAIN

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### GENERAL DEMOLITION NOTES

DEMOLITION KEYNOTES #

1. CAREFULLY REMOVE FOR SALVAGE AND REINSTALLATION THE PRECAST

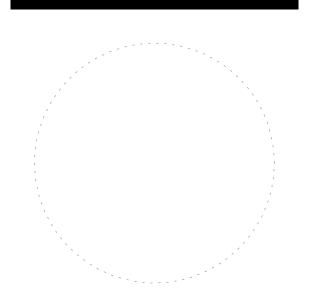
CONCRETE ASSEMBLY CONSISTING OF PILASTERS, ENTABLATURE WITH

- 1. SEE PROJECT MANUAL SPECIFICATIONS AND REQUIREMENTS FOR DEMOLITION.
- 2. SEE MEP & STRUCTURAL DRAWINGS FOR ADDITIONAL DEMO INFORMATION. 3. THE DOCUMENTS SHOW THE OVERALL EXTENT OF DEMOLITION REQUIRED. ALTHOUGH EACH COMPONENT MAY NOT BE SHOWN OR REFERENCED, REMOVE ITEMS CONSISTENT WITH THE NATURE OF
- 4. THE CONTRACTOR SHALL MAINTAIN ALL EXSTING REQUIRED PATHS OF EGRESS FROM TEH GYM AND SHALL NOT BLOCK A PATH OF EGRESS. IF A PATH OF EGRESS MUST BE BLOCKED THAN AN ALTERNATE TEMPORARY
- SCHEDULED TO BE SALVAGED AND/OR RELOCATED. AFTER REMOVAL STORE ITEMS AS DIRECTED BY THE THE OWNER. ANY ITEMS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED TO MATCH THE EXISTING AT NO COST TO
- RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH THE PROJECT CONDITIONS. RECORD AND REPORT ALL DEVIATIONS TO THE ARCHITECT AS
- STRUCTURAL ENGINEER. PROVIDE TEMPORARY SHORING AND BRACING AS 8. REMOVE LOOSE OR CRACKED MATERIAL AT AREAS ADJACENT TO INDICATED
- DEMOLITION IF DAMAGED BY DEMOLITION OPERATIONS. PATCH AREAS WITH
- REMOVE ALL INTEGRAL DEVICES AND EQUIPMENT PRESENT UNLESS
- AND PREPARED TO RECEIVE NEW WORK. SURFACES TO REMAIN THAT ARE DAMAGED DURING THE PERFORMANCE OF REQUIRED DEMOLITION SHALL BE PATCHED AND/OR PAINTED TO MATCH EXISTING TO REMAIN ADJACENT
- 11. RECYCLE MERCHANTABLE MATERIALS TO THE GREATEST EXTEND POSSIBLE,

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# OLD PALISADE HIGH SCHOOL **DEMOLITION**

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# MAIN FLOOR DEMO PLAN

ISSUED FOR: PROJECT STATUS:

CONSTRUTCION DOCUMENTS

DATE: 11/10/2021

EXISTING ITEM TO BE

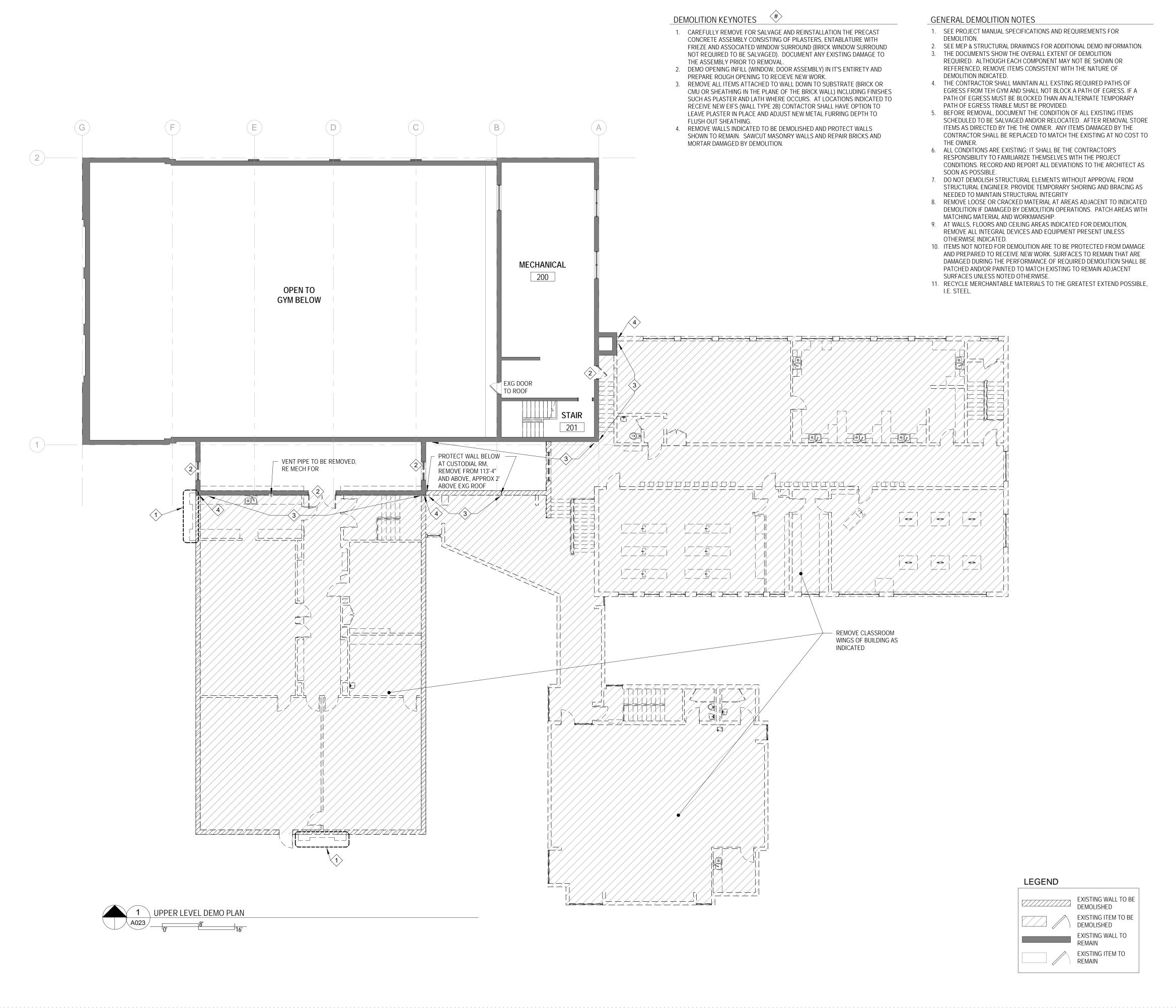
EXISTING WALL TO

EXISTING ITEM TO REMAIN

DEMOLISHED

SHEET NO:

PROJECT NO: 2131

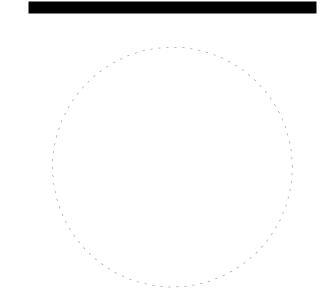




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# OLD PALISADE HIGH SCHOOL DEMOLITION

711 IOWA AVENUE PALISADE, COLORADO

# UPPER LEVEL DEMO PLAN

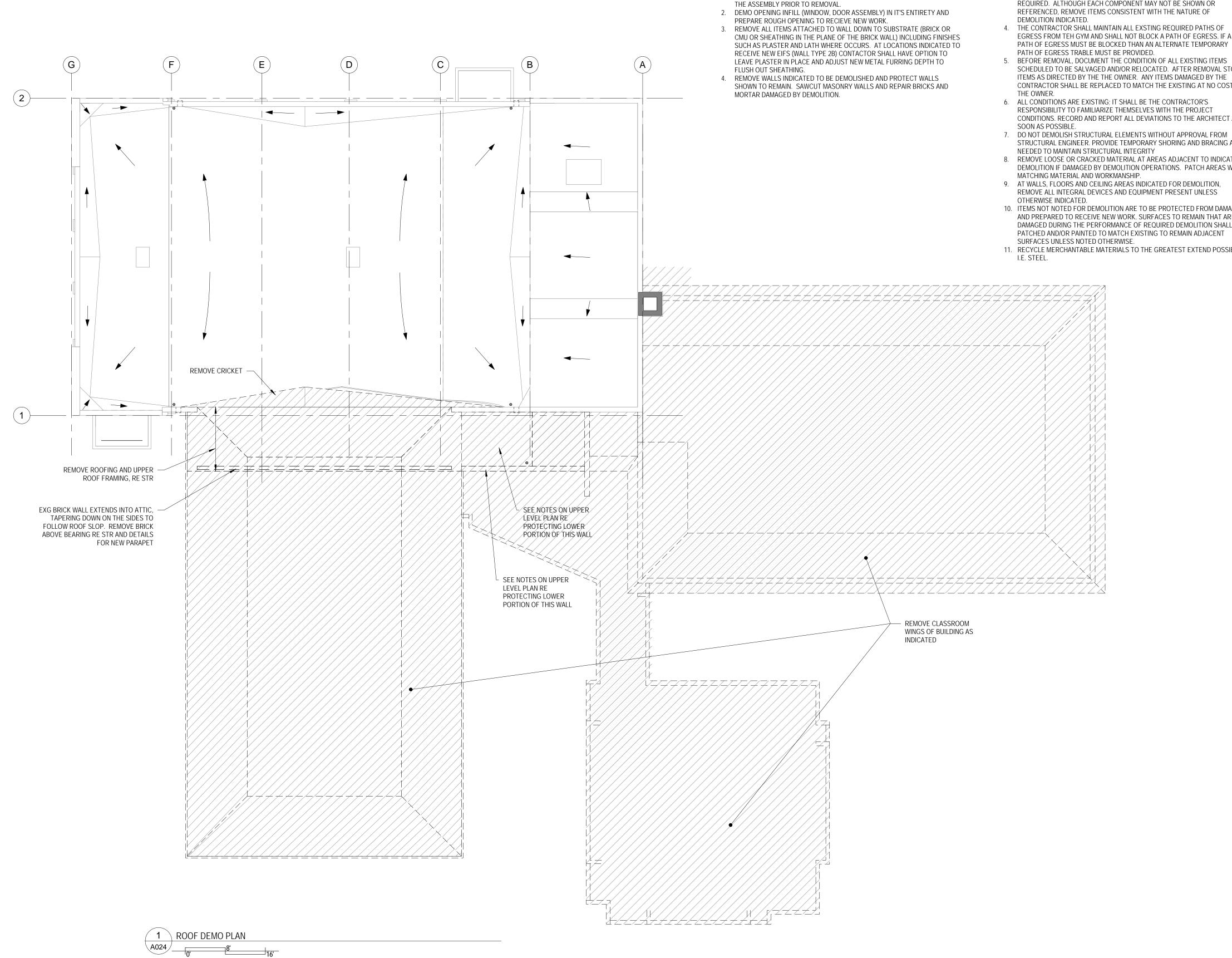
DATE:

2131

**11/10/2021** SHEET NO:

PROJECT NO:

**A023** 





DEMOLITION KEYNOTES #

1. CAREFULLY REMOVE FOR SALVAGE AND REINSTALLATION THE PRECAST CONCRETE ASSEMBLY CONSISTING OF PILASTERS, ENTABLATURE WITH

FRIEZE AND ASSOCIATED WINDOW SURROUND (BRICK WINDOW SURROUND

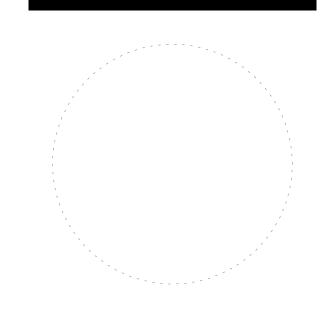
NOT REQUIRED TO BE SALVAGED). DOCUMENT ANY EXISTING DAMAGE TO

- 1. SEE PROJECT MANUAL SPECIFICATIONS AND REQUIREMENTS FOR DEMOLITION.
- 2. SEE MEP & STRUCTURAL DRAWINGS FOR ADDITIONAL DEMO INFORMATION. 3. THE DOCUMENTS SHOW THE OVERALL EXTENT OF DEMOLITION REQUIRED. ALTHOUGH EACH COMPONENT MAY NOT BE SHOWN OR
- 4. THE CONTRACTOR SHALL MAINTAIN ALL EXSTING REQUIRED PATHS OF EGRESS FROM TEH GYM AND SHALL NOT BLOCK A PATH OF EGRESS. IF A PATH OF EGRESS MUST BE BLOCKED THAN AN ALTERNATE TEMPORARY
- 5. BEFORE REMOVAL, DOCUMENT THE CONDITION OF ALL EXISTING ITEMS SCHEDULED TO BE SALVAGED AND/OR RELOCATED. AFTER REMOVAL STORE ITEMS AS DIRECTED BY THE THE OWNER. ANY ITEMS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED TO MATCH THE EXISTING AT NO COST TO
- 6. ALL CONDITIONS ARE EXISTING; IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH THE PROJECT CONDITIONS. RECORD AND REPORT ALL DEVIATIONS TO THE ARCHITECT AS
- STRUCTURAL ENGINEER. PROVIDE TEMPORARY SHORING AND BRACING AS NEEDED TO MAINTAIN STRUCTURAL INTEGRITY 8. REMOVE LOOSE OR CRACKED MATERIAL AT AREAS ADJACENT TO INDICATED
- DEMOLITION IF DAMAGED BY DEMOLITION OPERATIONS. PATCH AREAS WITH MATCHING MATERIAL AND WORKMANSHIP. 9. AT WALLS, FLOORS AND CEILING AREAS INDICATED FOR DEMOLITION,
- 10. ITEMS NOT NOTED FOR DEMOLITION ARE TO BE PROTECTED FROM DAMAGE AND PREPARED TO RECEIVE NEW WORK. SURFACES TO REMAIN THAT ARE DAMAGED DURING THE PERFORMANCE OF REQUIRED DEMOLITION SHALL BE PATCHED AND/OR PAINTED TO MATCH EXISTING TO REMAIN ADJACENT
- 11. RECYCLE MERCHANTABLE MATERIALS TO THE GREATEST EXTEND POSSIBLE,



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# OLD PALISADE HIGH SCHOOL **DEMOLITION**

711 IOWA AVENUE PALISADE, COLORADO

# **ROOF DEMO PLAN**

ISSUED FOR: PROJECT STATUS:

CONSTRUTCION DOCUMENTS

DATE: 11/10/2021

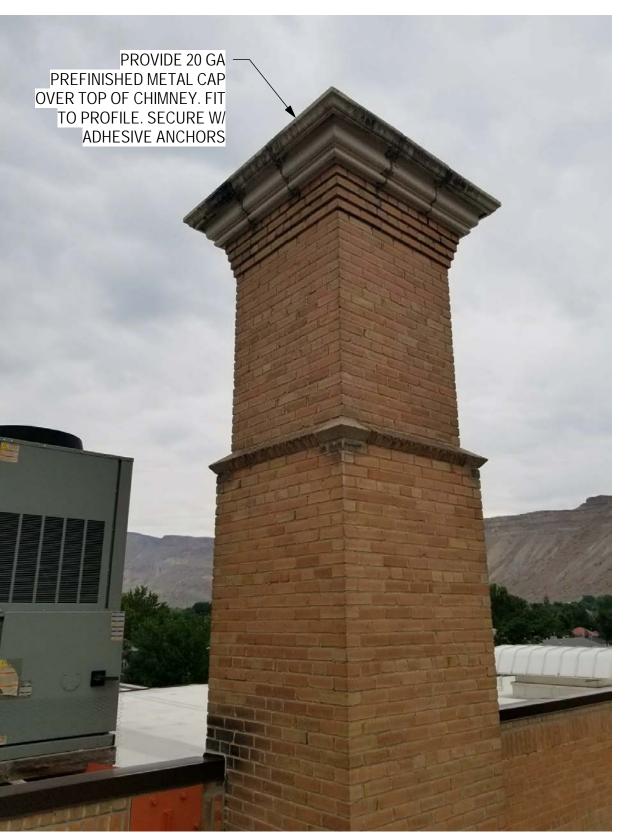
2131

SHEET NO:

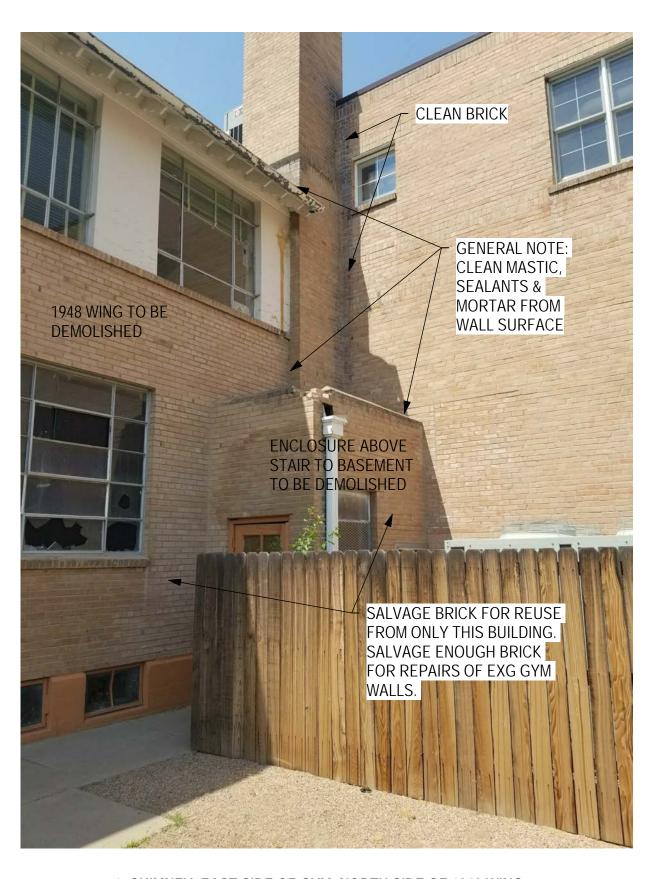
PROJECT NO:





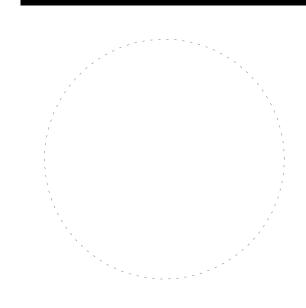


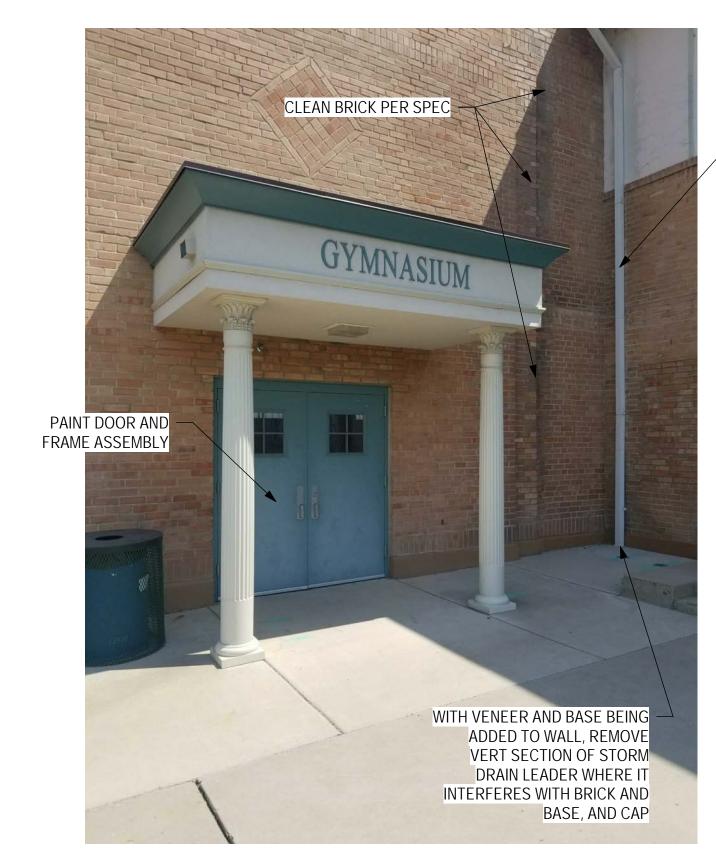
2 UPPER CHIMNEY FROM SOUTHEAST



1 CHIMNEY, EAST SIDE OF GYM, NORTH SIDE OF 1948 WING



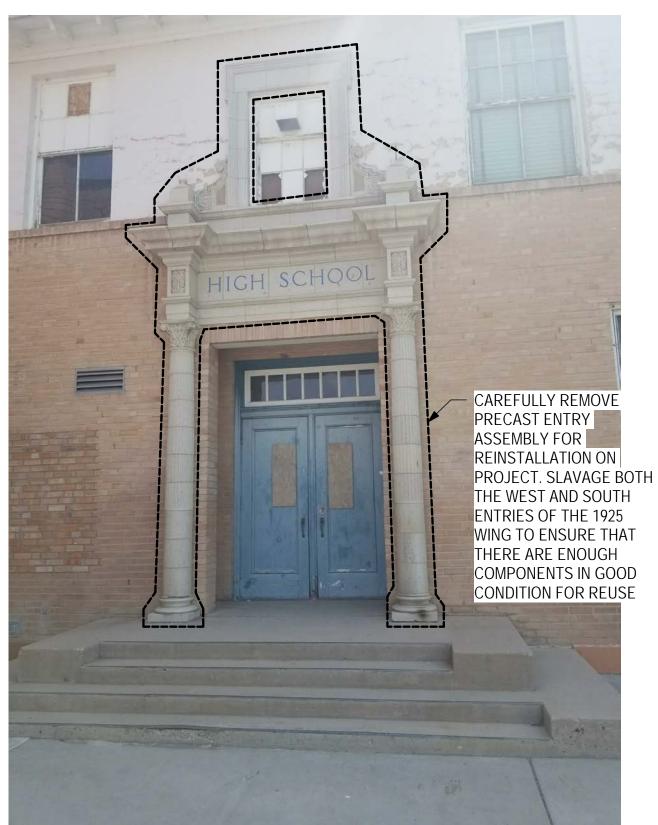




**6 SOUTHWEST ENTRANCE TO GYM** 



5 WEST SIDE OF 1925 WING AT INTERSECTION WITH GYM



4 WEST ENTRANCE OF 1925 WING

# OLD PALISADE HIGH SCHOOL **DEMOLITION**

711 IOWA AVENUE PALISADE, COLORADO

# **DEMOLITION** PHOTOS AND **NOTES**

ISSUED FOR:

PROJECT STATUS: CONSTRUTCION DOCUMENTS

DATE: 11/10/2021

PROJECT NO:

2131

SHEET NO:

A031



REMOVE FLASHINGS, -CLEAN BRICK,

REMOVE ALL MASTIC

SEALANT & GROUT FROM FACE OF WALL

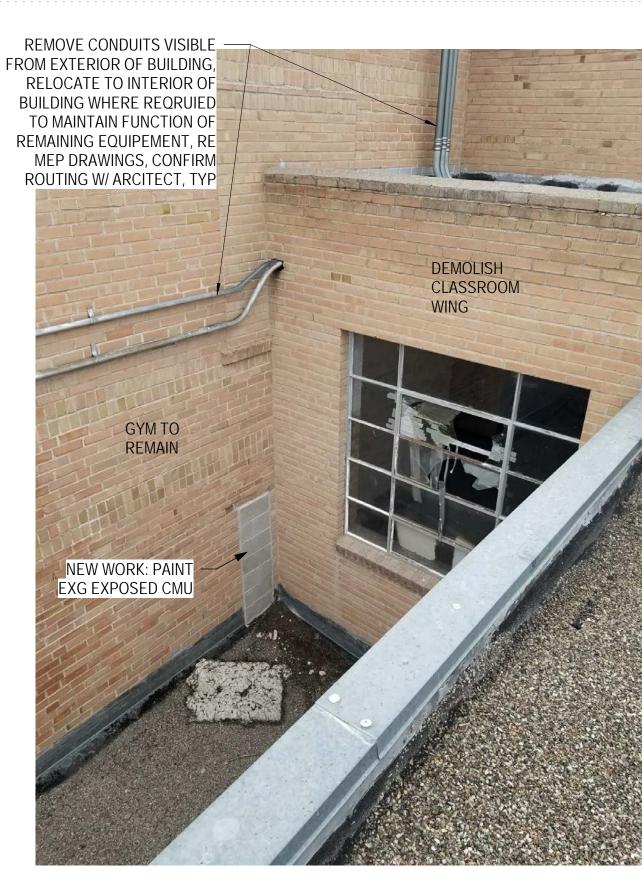


3 LOW ROOF ABOVE CUSTODIAN ROOM - LOOKING NORTH-NORTHWEST

REMOVE WALL FROM 113'-4" AND ABOVE, PROTECT WALL



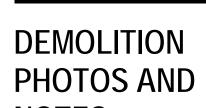
2 LOW ROOF ABOVE CUSTODIAN ROOM - LOOKING NORTH-NORTHEAST

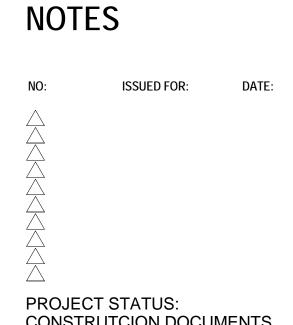


1 LOW ROOF ABOVE CUSTODIAN ROOM - LOOKING NORTHEAST



OLD PALISADE HIGH SCHOOL **DEMOLITION** 711 IOWA AVENUE PALISADE, COLORADO





CONSTRUTCION DOCUMENTS

DATE: 11/10/2021

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SHEET NO:

PROJECT NO:

4 LOW ROOF ABOVE CUSTODIAN ROOM - WEST SIDE



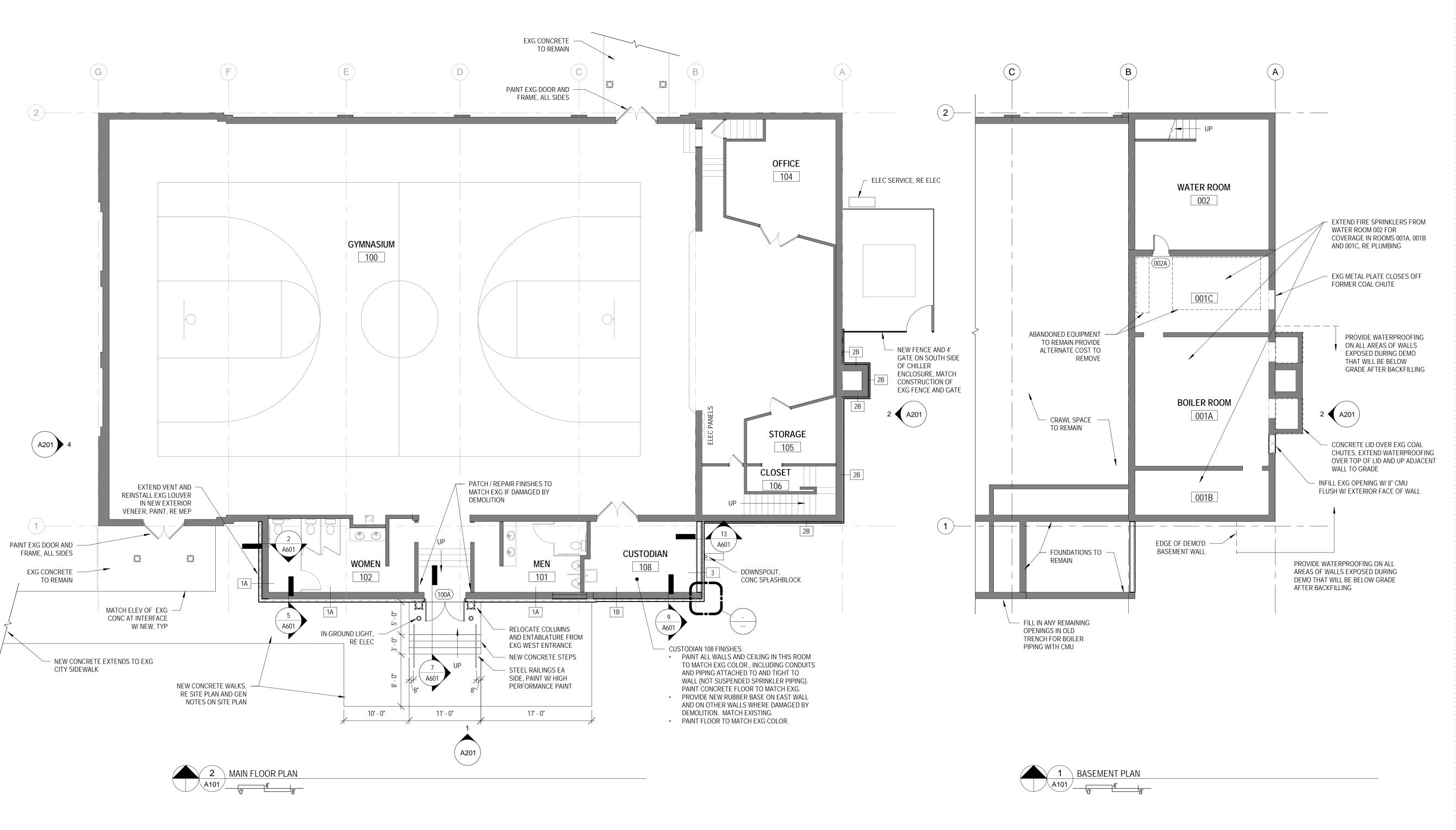
**6 SOUTHEAST CORNER OF GYM ROOF** 



5 EAST SIDE OF CHIMNEY AT ROOF INTERSECTION

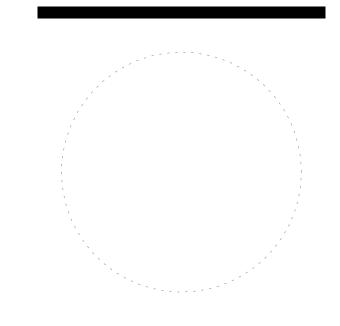








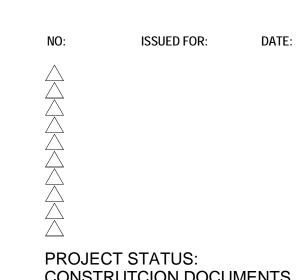
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# OLD PALISADE HIGH SCHOOL **DEMOLITION**

711 IOWA AVENUE PALISADE, COLORADO

# **BASEMENT AND** MAIN FLOOR PLANS



CONSTRUTCION DOCUMENTS

DATE: 11/10/2021

LEGEND

EXISTING WALL TO

EXISTING ITEM TO

REMAIN

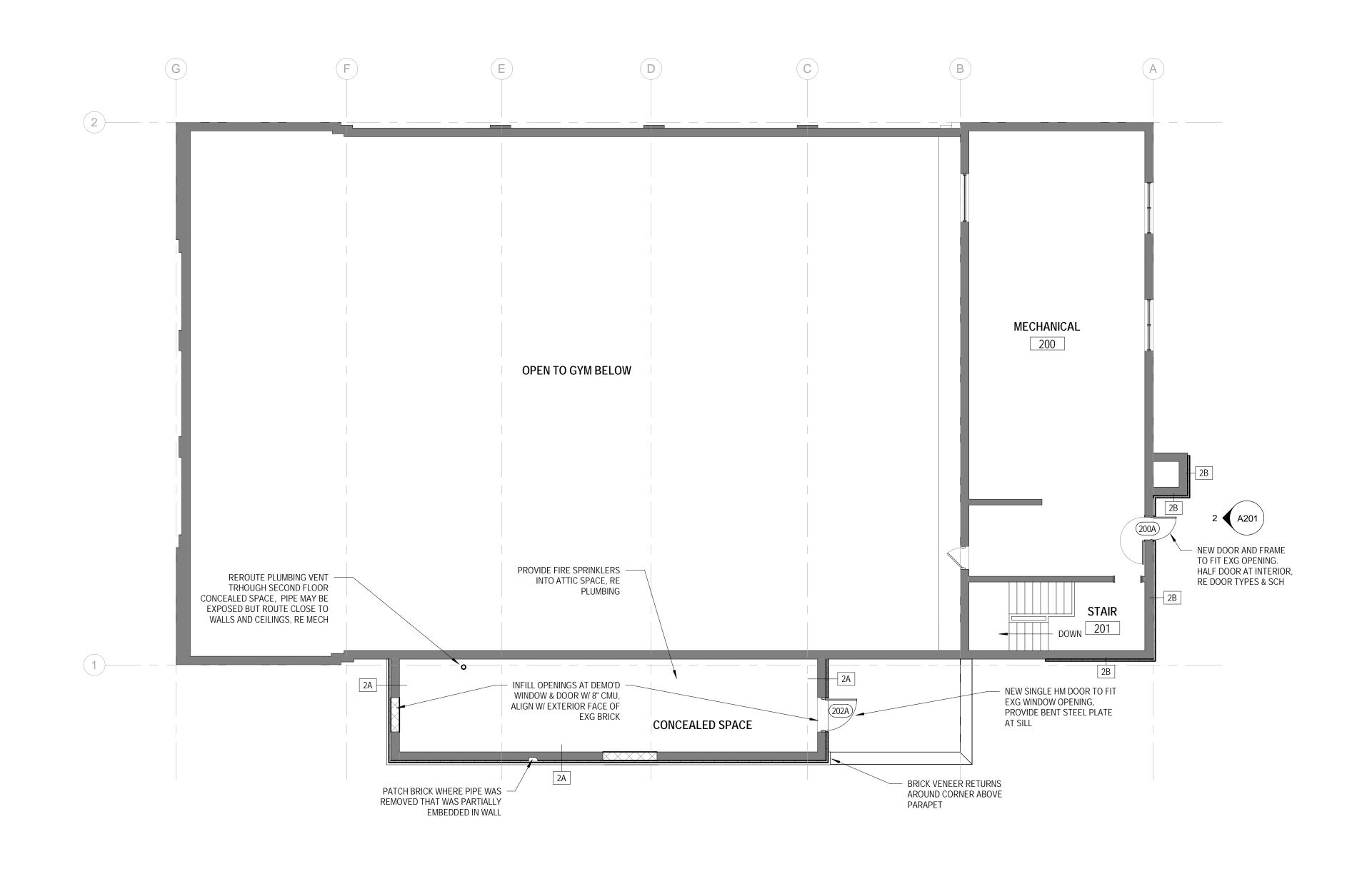
REMAIN

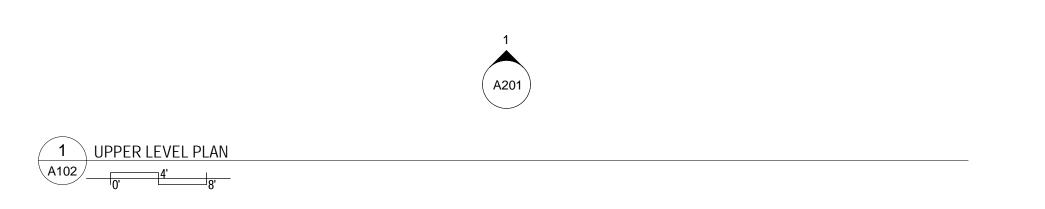
**NEW WALL** 

**NEW ITEM** 

SHEET NO:

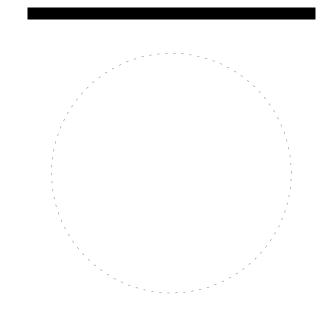
PROJECT NO: A101 2131







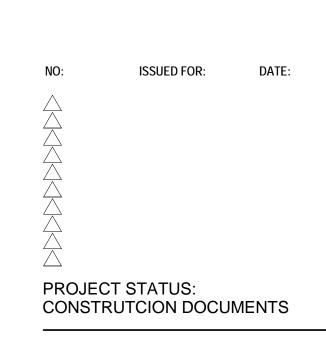
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# OLD PALISADE HIGH SCHOOL **DEMOLITION**

711 IOWA AVENUE PALISADE, COLORADO

# UPPER LEVEL PLAN



DATE: 11/10/2021

LEGEND

EXISTING WALL TO REMAIN

EXISTING ITEM TO REMAIN

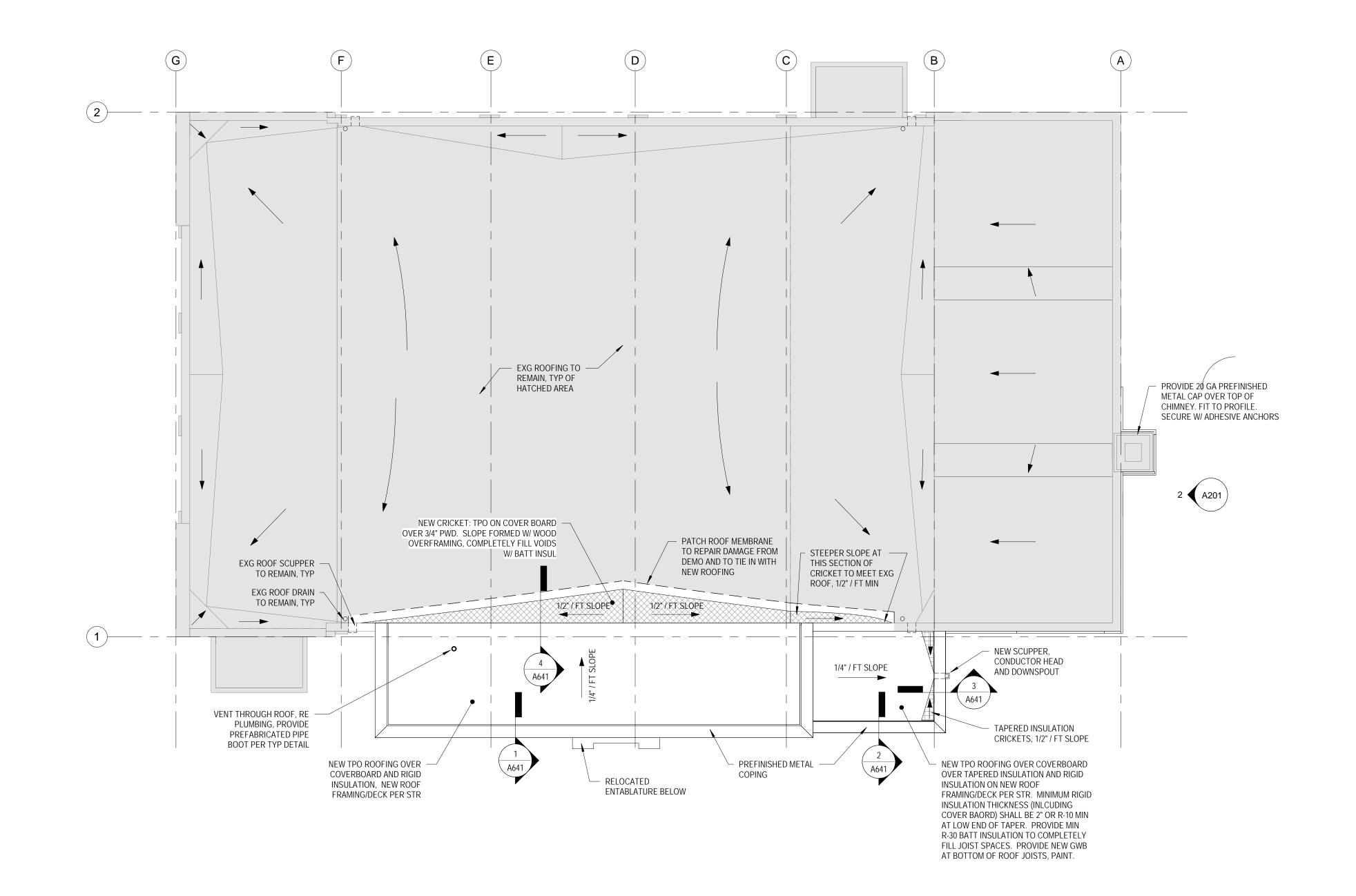
NEW WALL

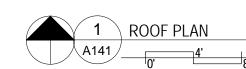
NEW ITEM

SHEET NO:

PROJECT NO:

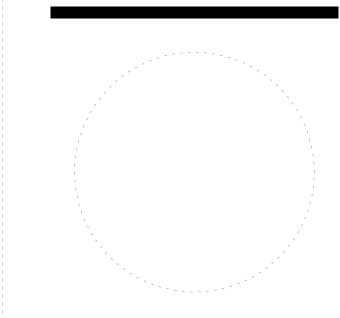
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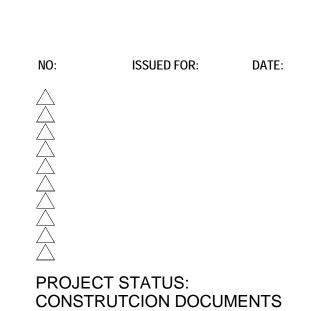
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# OLD PALISADE HIGH SCHOOL **DEMOLITION**

711 IOWA AVENUE PALISADE, COLORADO

# **ROOF PLAN**



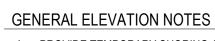
DATE:

11/10/2021

SHEET NO:

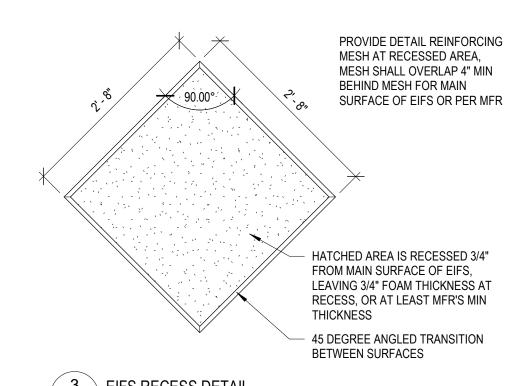
PROJECT NO: 2131

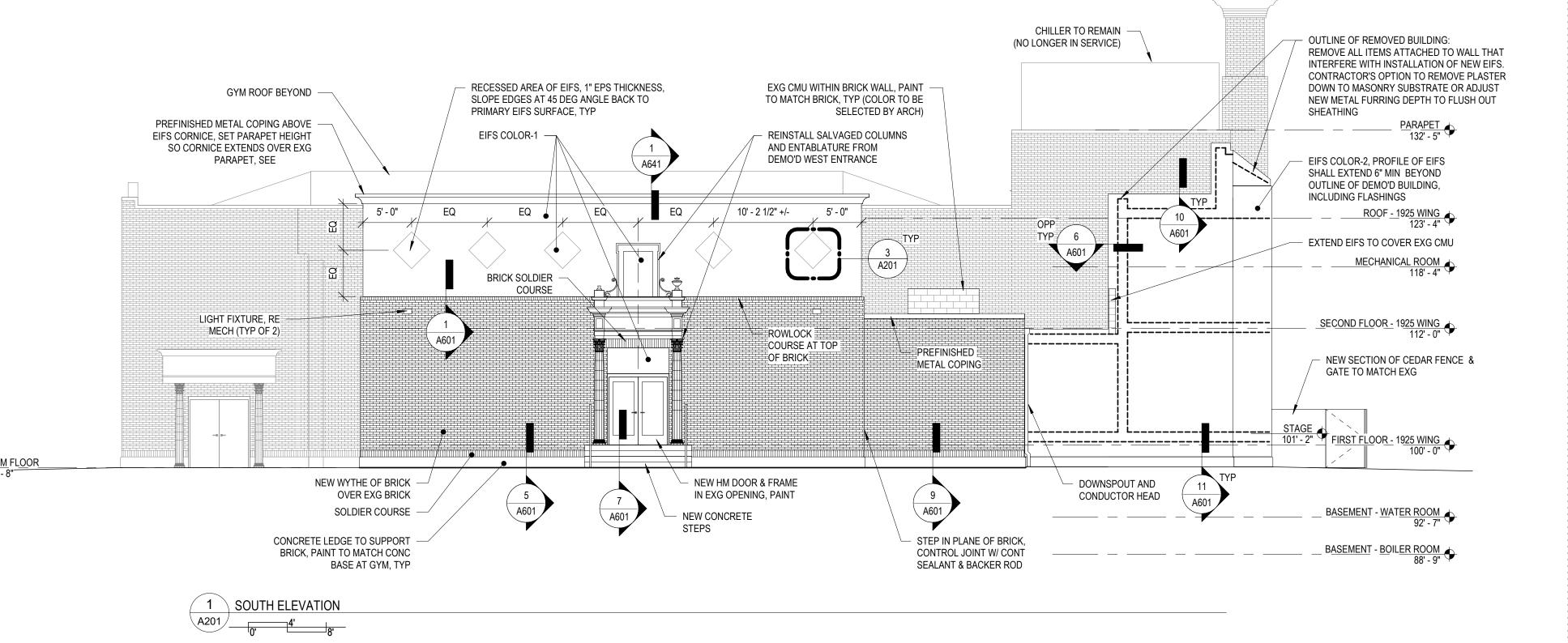
A141



- 1. PROVIDE TEMPORARY SHORING AND BRACING AS NEEDED TO MAINTAIN
- STRUCTURAL INTEGRITY OF THE BUILDING.

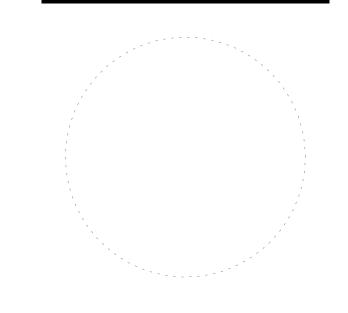
  2. REMOVE ALL ANCHORAGES AND EMBEDS ASSOCIATED WITH WORK TO BE DEMOLISHED TO THE FACE OF EXISTING FINISH.
- PATCH AND REPAIR SURFACES AFTER DEMOLITION TO RECEIVE NEW WORK.
   WHERE THERE ARE OPENINGS IN THE EXISTING WALLS FROM THE REMOVAL OF ITEMS CURRENTLY SCHEDULED FOR DEMOLITION OR PREVIOUSLY DEMOLISHED INFILL THE OPENING WITH SIMILAR CONSTRUCTION TO THE EXISTING AND SEAL THE OPENING WEATHER TIGHT. WHERE INFILL WILL BE EXPOSED AS FINISHED REMOVE MATERIALS IN FULL UNITS FOR REPLACEMENT AND BLEND IN TO MATCH EXISTING MATERIALS TO THE GREATEST EXTENT POSSIBLE.
- 5. PATCH AND REPAIR EXISTING SURFACES TO ACCEPT NEW WORK.
- 6. SEE NEW WORK PLANS AND ELEVATIONS TO DETERMINE EXTENT OF DEMOLITION REQUIRED AT NEW OPENINGS.
- 7. REMOVE ALL ABANDONED ELECTRICAL PIPING, CONDUIT AND HANGERS FROM THE EXTERIOR OF THE BUILDING UNLESS NOTED OTHERWISE.
- 8. RECYCLE MERCHANTABLE MATERIALS TO THE GREATEST EXTEND POSSIBLE, I.E. STEEL.
- 9. WHERE EXISTING BRICK WILL REMAIN EXPOSED TO VIEW AND IS DAMAGED BY DEMOLITION, REPAIR USING SALVAGED BRICK FROM THE 1948 WING (AS NOTED ON DEMO PHOTOS AND MAIN FLOOR DEMO PLAN). MATCH COURSING, GROUT COLOR AND JOINT TREATMENT TO MATCH EXG APPEARANCE OF WALL.

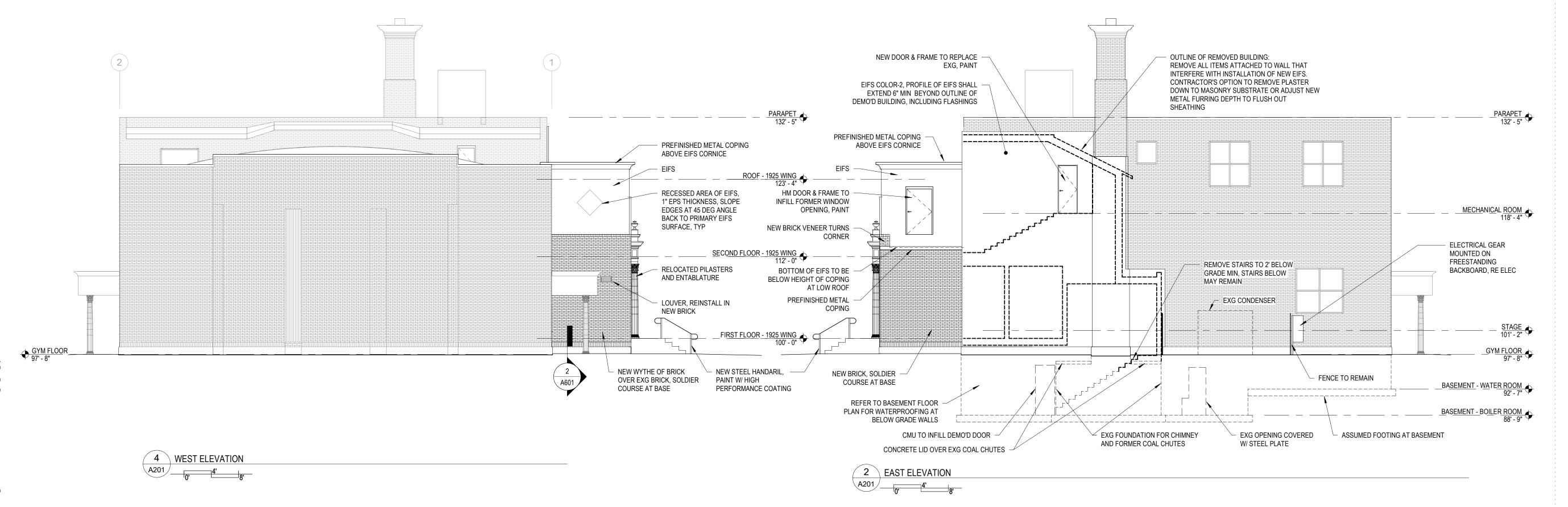






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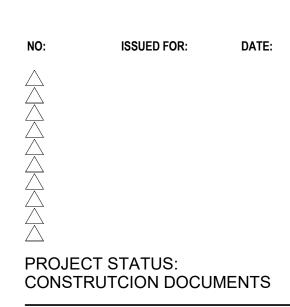




# OLD PALISADE HIGH SCHOOL DEMOLITION

711 IOWA AVENUE PALISADE, COLORADO

# EXTERIOR ELEVATIONS

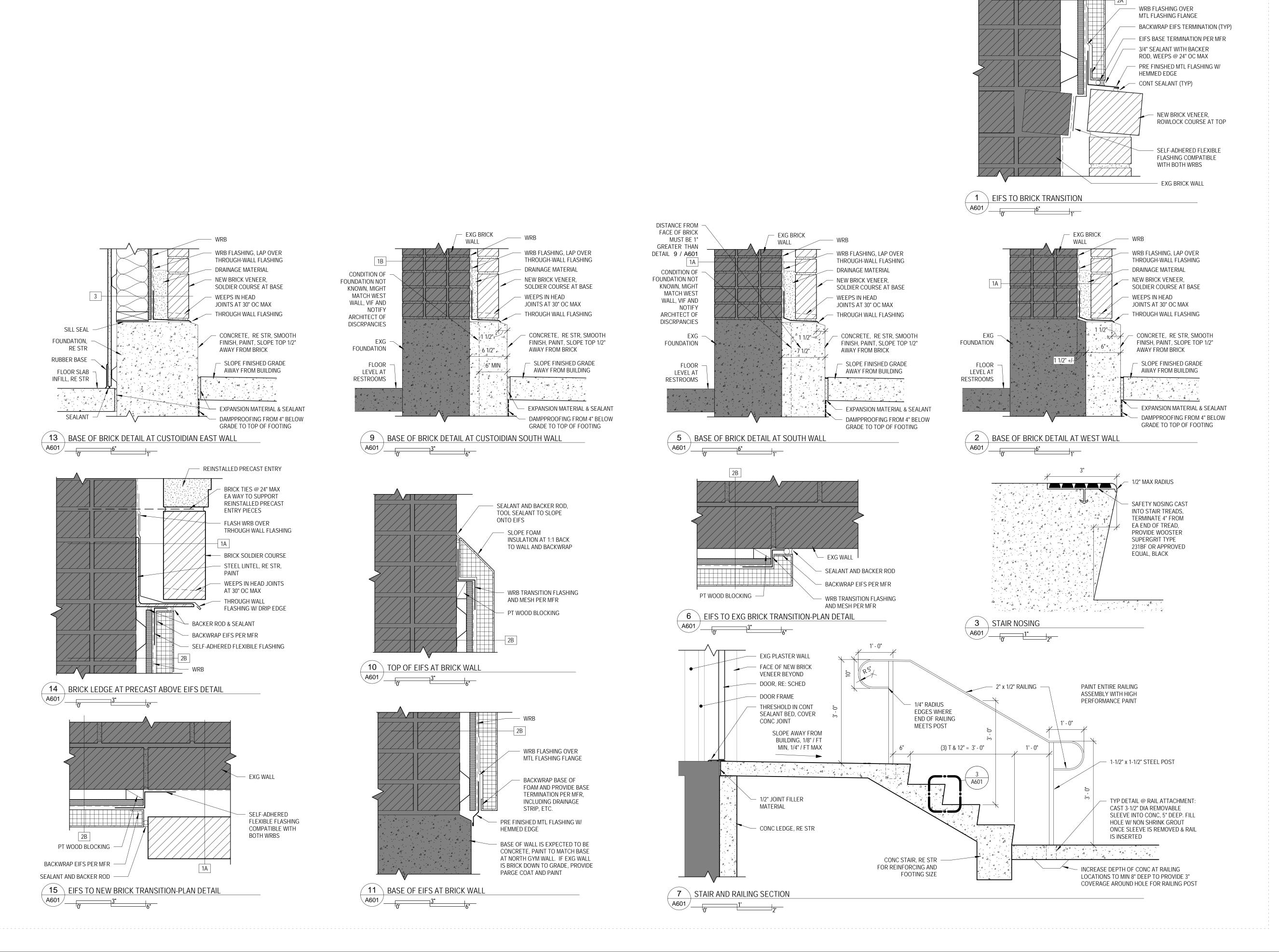


DATE: 11/10/2021

**21** SHEET NO:

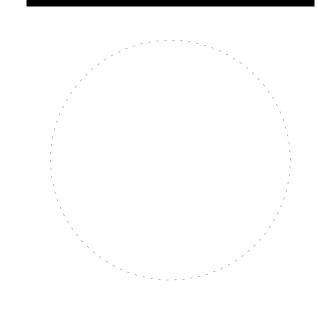
PROJECT NO: **2131** 

**4201** 





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# OLD PALISADE HIGH SCHOOL DEMOLITION

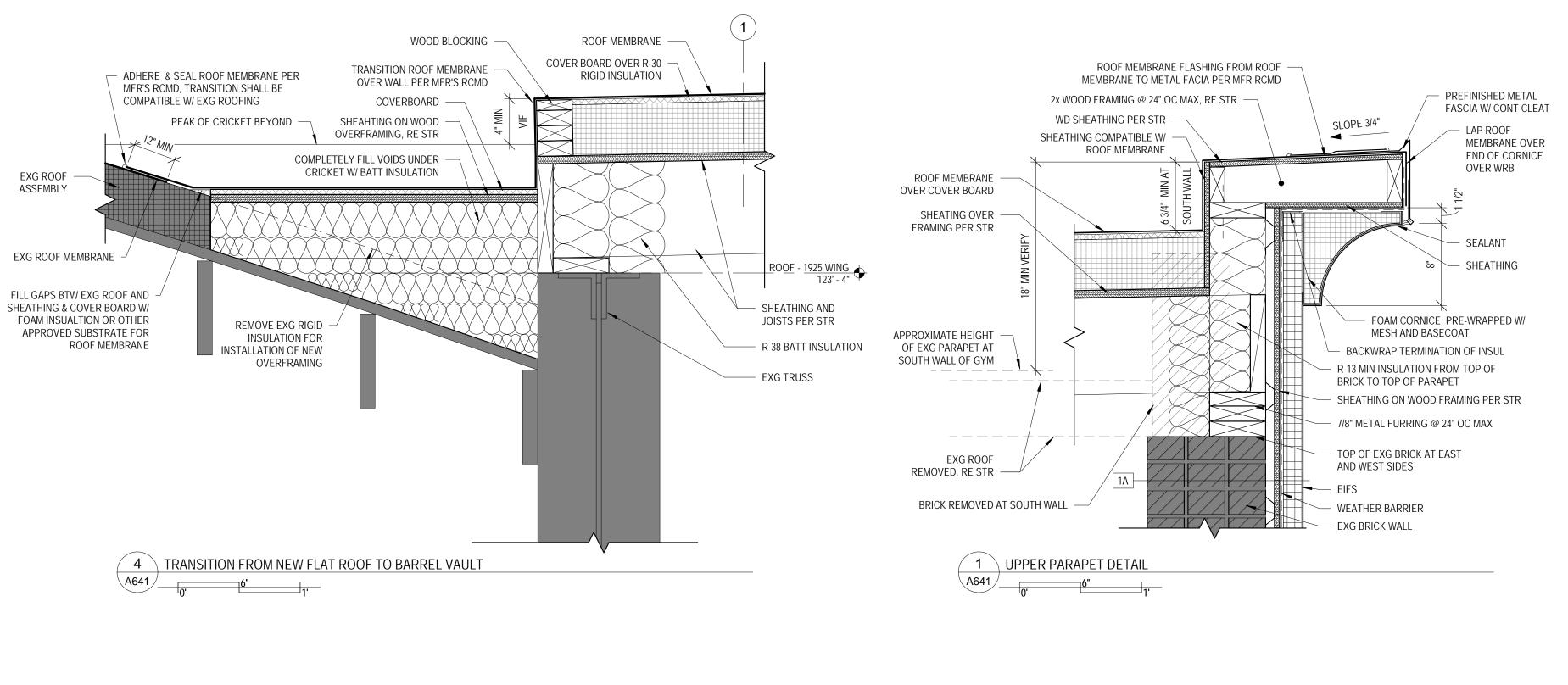
711 IOWA AVENUE PALISADE, COLORADO

# ARCHITECTURAL DETAILS

DATE: 11/10/2021

SHEET NO:

PROJECT NO: **A6** 



SEALANT, TOOL FOR WATER RUN-OFF

PRE-MOLDED PIPE BOOT, SEE NOTE 3

- FASTENERS PER ROOF MEMBRANE MFR'R

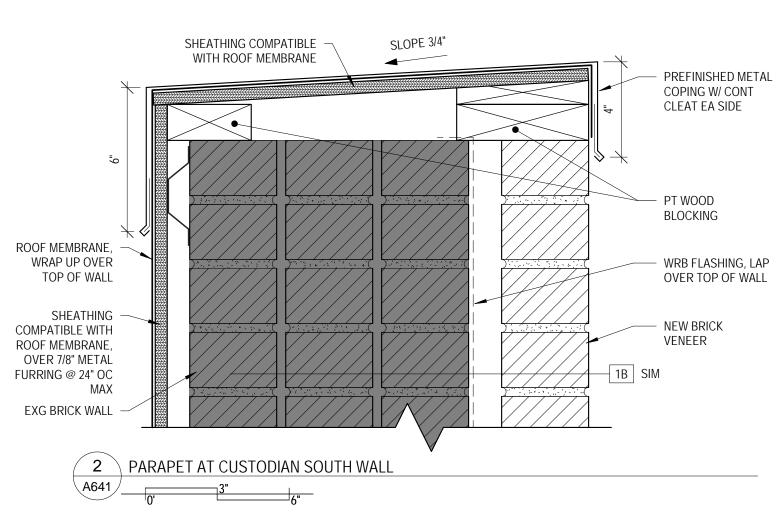
ADHERED ROOF MEMBRANE FLASHING STRIP W/ CONT EDGE SEALANT

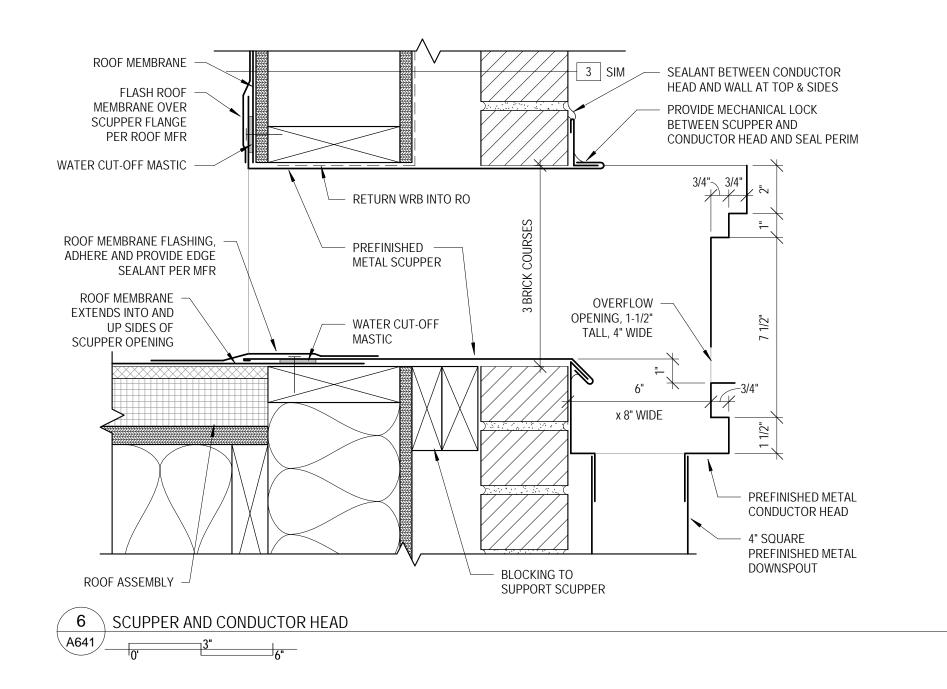
SINGLE PLY ROOF MEMBRANE

FULLY ADHERED TO SUBSTRATE

SST CLAMP RING

PIPE, RE: MECH





NOTES:

1. PIPE SURFACE MUST BE CLEAN

OF ALL RUST, GREASE, ETC.

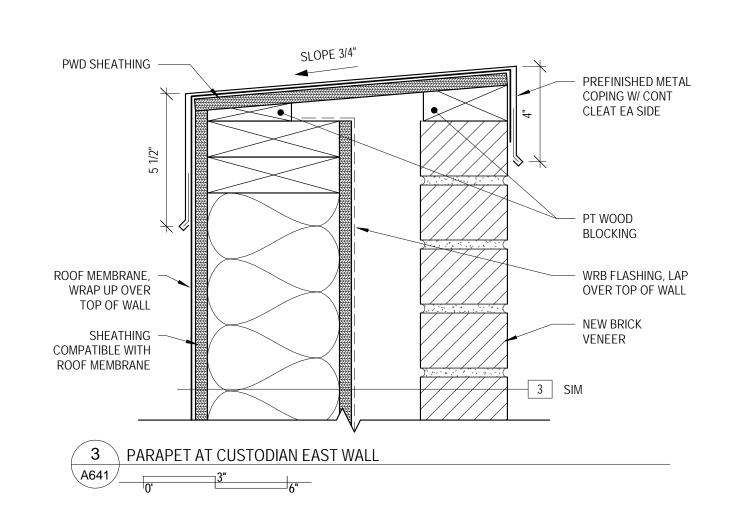
2. PIPE MUST BE ANCHORED TO ROOF STRUCTURE, RE: MECH.

3. PRE-MOLDED PIPE BOOTS MAY BE CUT TO HEIGHT, BUT NO

LOWER THAN 2" FROM FLANGE (NO WRINKLE FOLDS UNDER

5 TYP ROOF PENETRATION DETAIL

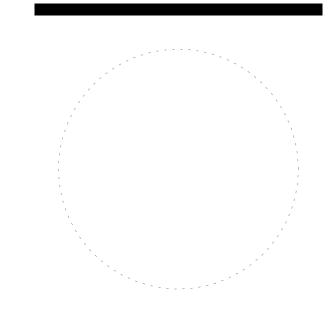
CLAMP RING).





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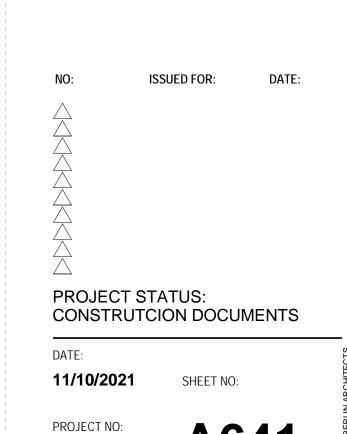
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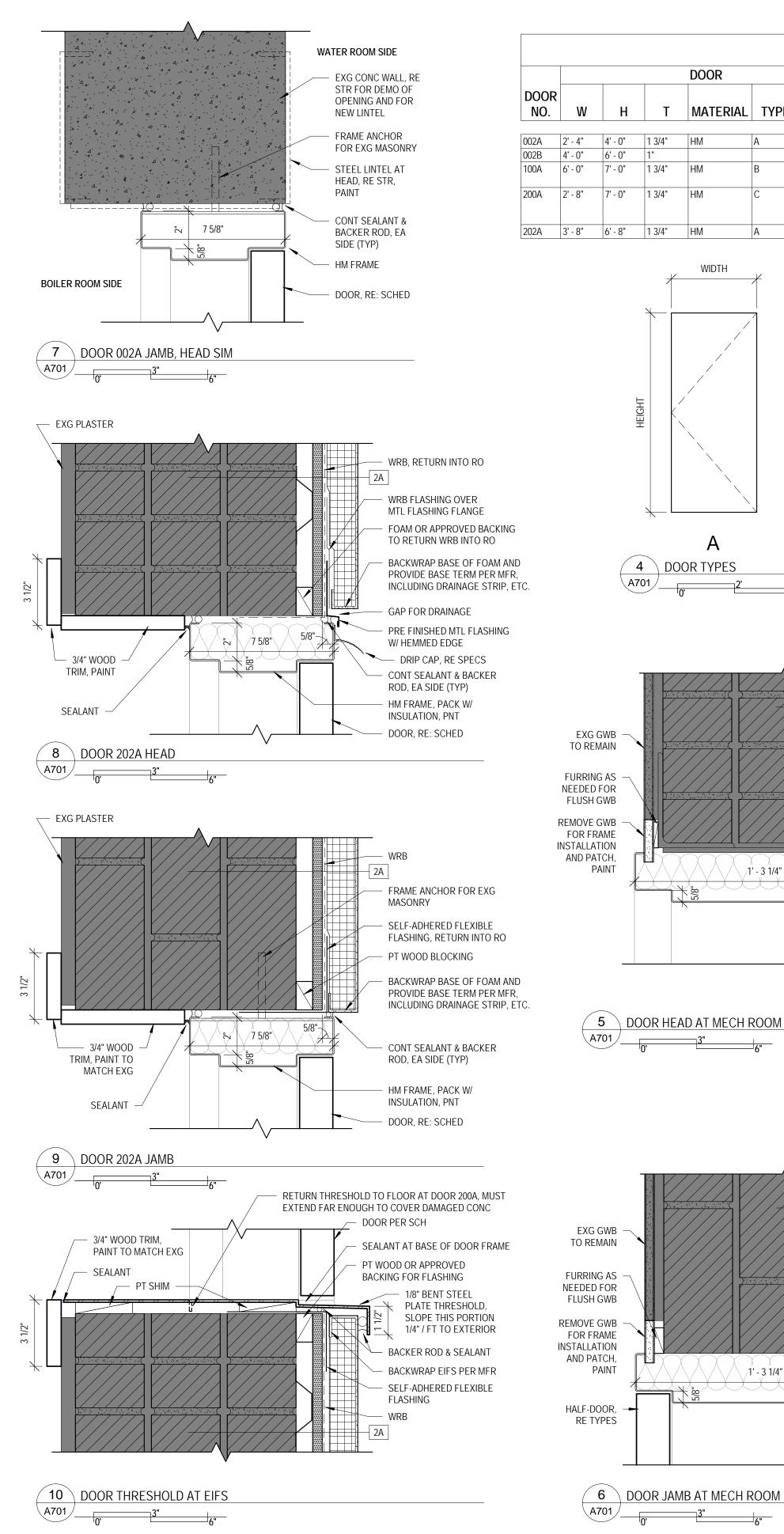
# OLD PALISADE HIGH SCHOOL DEMOLITION

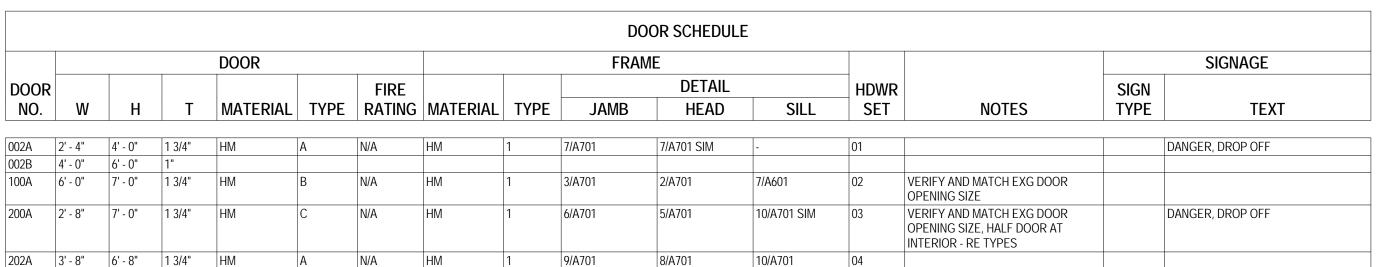
711 IOWA AVENUE PALISADE, COLORADO

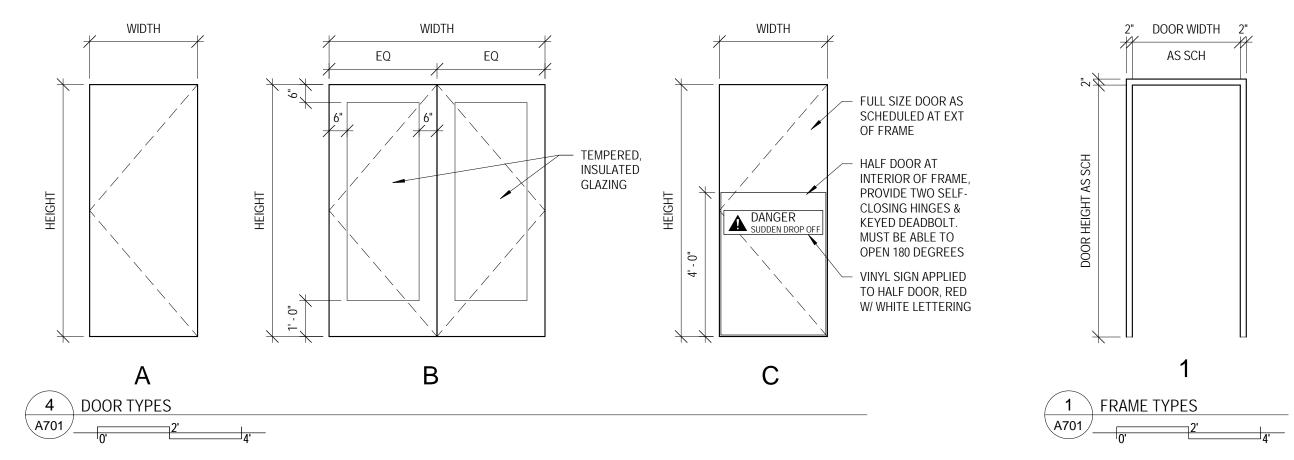
# **ROOF DETAILS**

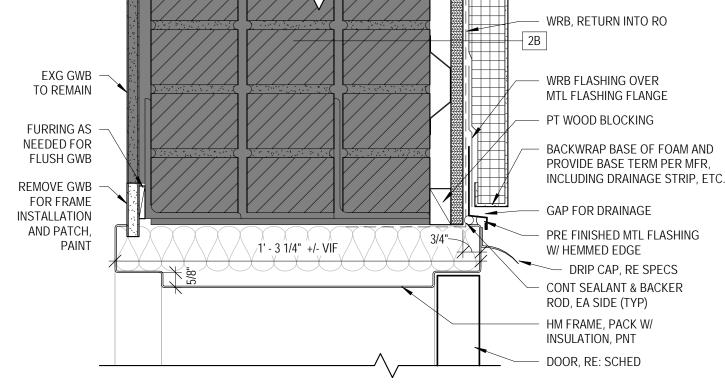


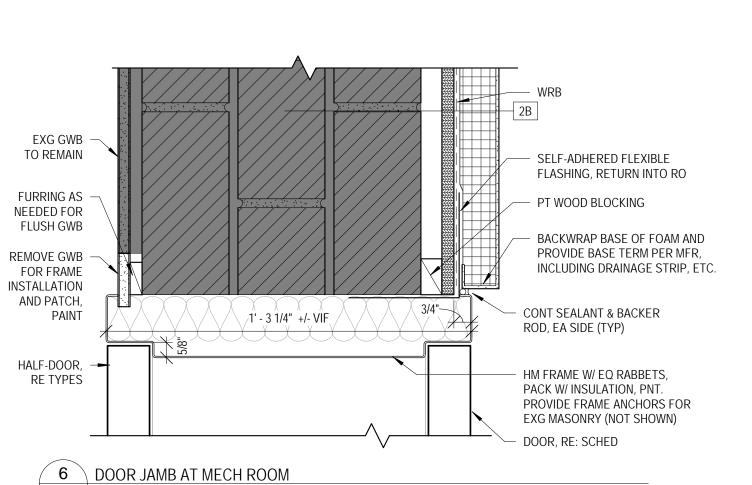
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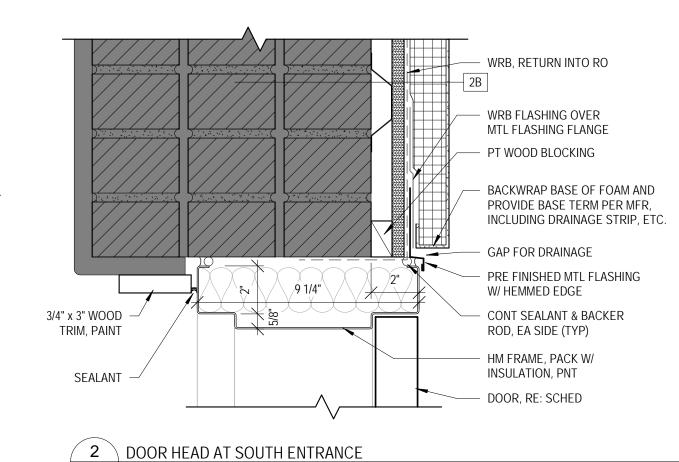


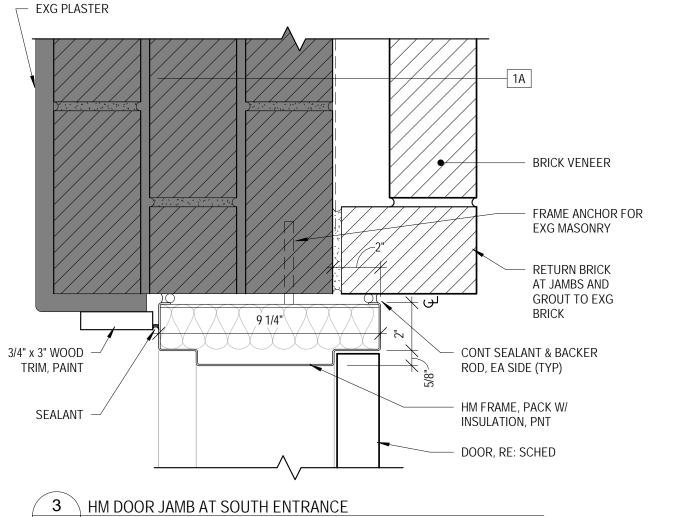






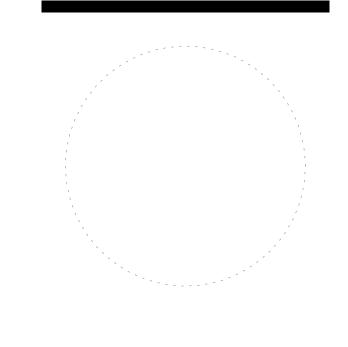








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# OLD PALISADE HIGH SCHOOL DEMOLITION

711 IOWA AVENUE PALISADE, COLORADO

# DOOR SCHEDULE, DOOR & FRAME TYPES, DETAILS

NO: ISSUED FOR: DATE:

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PROJECT STATUS:
CONSTRUTCION DOCUMENTS

DATE:

11/10/2021

PROJECT NO: **A701** 

SHEET NO:

**SPECIAL INSPECTIONS:** 

A. SPECIAL INSPECTIONS SHALL COMPLY WITH CHAPTER 17 OF THE 2018 I.B.C.

B. STATEMENT OF REQUIRED SPECIAL INSPECTIONS:									
CVCTEM OR	VEDIFICATION AND	_	FREQUENCY (DURING TASK LISTED)						
SYSTEM OR COMPONENT	VERIFICATION AND INSPECTION OR TASK	CONTINUOUS	PERIODIC	FOR INSPECTION CRITERIA					
1) SOILS	a) VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH & HAVE REACHED PROPER MATERIAL		X						
	b) PERFORM CLASSIFICATION & TESTING OF CONTROLLED FILL MATERIALS	-1-	Х						
	c) VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT & COMPLETION OF CONTROLLED FILL	Х							
	d) OBSERVE SUBGRADE FOR PROPER PREPARATION BEFORE PLACEMENT OF CONTROLLED FILL	- -	Х						
2) CONCRETE	a) INSPECT REINFORCING STEEL		Х	ACI 318: 3.5, 7.1-7.7 IBC 1913.4					
	b) VERIFY USE OF REQUIRED DESIGN MIX		Х	IBC 1911.5					
	c) INSPECT REINFORCING STEEL WELDING		Х	AWS D1.4 ACI 318: 3.5.2					
	d) FABRICATE TEST SPECIMENS FROM FRESH CONCRETE FOR STRENGTH TESTS, SLUMP & AIR CONTENT TESTS AND TO DETERMINE CONCRETE TEMPERATURE	Х		ASTM C172 ASTM C31 ACI 318: 5.6, 5.8 IBC 1913.10					
	e) INSPECT CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	Х		ACI 318: 5.9, 5.10 IBC 1913.6 – 1913.8					
	f) INSPECT FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE & TECHNIQUES		Х	ACI 318: 5.11- 5.13 1913.9					
	g) INSPECT FORMWORK FOR SHAPE, LOCATION & DIMENSIONS OF CONCRETE MEMBERS BEING FORMED		Х	ACI 318: 6.1.1					
3) WOOD	a) INSPECT FABRICATED WOOD STRUCTURAL MEMBERS ASSEMBLED AT FABRICATOR'S SHOP OR PLANT.		Х						
	b) VERIFY MATERIAL SPECIES AND GRADES OF DIMENSIONAL LUMBER AND PLYWOOD OR O.S.B.	- -	Х						
	c) VERIFY BOTTOM CHORD AND OTHER BRACING OF STRUCTURAL MEMBERS.	- -	Х						
	d) INSPECT FOR PROPER FASTENING OF WOOD COMPONENTS.	<u>-</u> -	Х	IBC TABLE 2304.9.1					

		ARRE	REVIATIONS		
A.B.	-ANCHOR BOLT	F.O.B.	-FACE OF BRICK	P.T.	-PRESSURE TREATED
ADD'L	-ADDITIONAL		-FACE OF CONCRETE	R.	-RADIUS
ADJ.	-ADJACENT	F.O.W.	-FACE OF WALL	REINF.	-REINFORCEMENT
A.I.S.C.	-AMERICAN INSTITUTE OF	FS.	-FLAT SLAB	REQ'D	-REQUIRED
	STEEL CONSTRUCTION	FT.	-FOOT	RM.	
ALT.	-ALTERNATE	FTG.	-FOOTING	SCHED.	
ARCH.	-ARCHITECTURAL	F.W.	-FILLET WELD	SECT.	
A.S.T.M.	-AMERICAN SOCIETY FOR	GA.	-GAUGE	SHT.	-SHEET
,	TESTING & MATERIALS	GAL.	-GALVANIZED	s.d.l.	-SUPERIMPOSED DEAD LOA
BLDG.	-BUILDING	G.L.	-GLU-LAM BEAM	SIM.	-SIMILAR
BM.	-BEAM	GR.	-GRADE	s.l.	-SNOW LOAD
B.O.	-BOTTOM OF	GR. BM.	-GRADE BEAM	S.L.V.	-SHORT LEG VERTICAL
BOT.	-BOTTOM	H.A.S.	-HEADED ANCHOR STUD	SPC.	
BSMT.	-BASEMENT	H.D.G.	-HOT DIPPED GALVANIZED	SPEC.	-SPECIFICATION
BTWN.	-BASEMENT -BETWEEN	HORIZ.	-HORIZONTAL	SQ.	-SQUARE
CANT.	-CANTILEVER	H.S.B.	-HIGH STRENGTH BOLT	STD.	-STANDARD
CANT.	-CANTILEVER -CARDBOARD	п.з.в. HSS	-HOLLOW STRUCTURAL SECTION	STIFF.	-STIFFENER
CB. CH.	-CARDBOARD -CHAMFER	пээ I.D.	-NOLLOW STRUCTURAL SECTION -INSIDE DIAMETER	STIFF.	-STIFFENER -STEEL
C.J.	-CONTROL/CONSTRUCTION JOINT	I.D. I.F.	-INSIDE DIAMETER -INSIDE FACE	STOR.	-STEEL -STORAGE
C.J. CJP	-COMPLETE JOINT PENETRATION	I.F. IN.		SYM.	-SYMMETRICAL
			-INCH		
CLR.	-CLEAR, CLEARANCE	INT.	-INTERIOR	T.&B.	
C.M.U.	-CONCRETE MASONRY UNIT	JNT.	-JOINT	THK.	-THICKNESS
COL.	-COLUMN	K	-KIP (1,000 lbs.)	T.O.	-TOP OF
CONC.	-CONCRETE	K.C.I.	-KIP PER CUBIC INCH	TYP.	
CONN.	-CONNECTION	LB.	-POUND	U.N.O.	-UNLESS NOTED OTHERWIS
CONST.	-CONSTRUCTION	LIN. FT.	-LINEAL FEET	VAR.	-VARIES
CONT.	-CONTINUOUS	l.l.	-LIVE LOAD	VERT.	-VERTICAL
CONTR.	-CONTRACTOR	L.L.V.	-LONG LEG VERTICAL	V.I.F.	-VERIFY IN FIELD
CTRD.	-CENTERED	L.S.L.	-LAMINATED STRAND LUMBER	WT.	-WEIGHT
C.W.	-CURTAIN WALL	L.V.L.	-LAMINATED VENEER LUMBER		SYMBOLS
DET.	-DETAIL	MAT'L.	-MATERIAL	<b>C</b>	CENTER LINE
DIAG.	-DIAGONAL	MAX.	-MAXIMUM	Ψ	CENTER LINE
DIAM.	-DIAMETER	MECH.	-MECHANICAL	ø	DIAMETER
DIM.	-DIMENSION	MID.	-MIDDLE	او	DIAMETER
DISCONT.		MIN.	-MINIMUM	<del></del>	- ELEVATION
d.l.	-DEAD LOAD	MISC.	-MISCELLANEOUS	Т	ELEVATION
DWG.	-DRAWING	MTL.	-METAL	&	AND
EA.	-EACH	N.I.C.	-NOT IN CONTRACT	α	AND
E.F.	-EACH FACE	NO.	-NUMBER	14//	WITH
EL.	-ELEVATION	NOM.	-NOMINAL	W/	WITH
ELECT.	-ELECTRICAL	N.T.S.	-NOT TO SCALE	ъ	DIATE
ELEV.	-ELEVATOR	O.C.	-ON CENTER	PL	PLATE
EQ.	-EQUAL	O.F.	-OUTSIDE FACE	V	DV
E.W.B.	-END WALL BARS	O.D.	-OUTSIDE DIAMETER	Χ	BY
E.W.	-EACH WAY	O.H.	-OPPOSITE HAND	,,	AUMADED
EXIST.	-EXISTING	OPNG.	-OPENING	#	NUMBER
EXP. JNT.	-EXPANSION JOINT	P.A.F.	-POWDER ACTUATED FASTENERS		
EXT.	-EXTERIOR	PL PL	-PLATE	@	AT
FDN.	-FOUNDATION	P.S.F.	-POUND PER SQUARE FOOT		
FIN.	-FINISH	P.S.I.	-POUND PER SQUARE INCH	ф	SQUARE
FLR.	-FLOOR	P.S.L.	-PARALLEL STRAND LUMBER		
1 LIX	LOOK	1 13161	LANGELL STIMING LOUDLIN	L	ANGLE

	PLYWOOD & NAILING SCHEDULE						
USE	PLYWOOD THICKNESS	PLYWOOD GRADE	SPAN/INDEXR ATIO	EDGE NAILING	INTERIOR NAILING		
ROOF SHEATHING	5/8"	APA RATED EXP.1 SHEATHING	32/16	10d COMMON @ 4" O.C. (BOUNDARIES) 10d COMMON @ 6" O.C. (ALL OTHER EDGES)	10d COMMON @ 12" O.C.		
WALL	15/32"	APA STRUCTURAL 1 RATED SHEATHING, EXP. 1	24/0	8d COMMON @ 6" O.C.	8d COMMON @ 12" O.C.		

<sup>1.</sup> ALL NAILS SHALL BE COMMON NAILS - MINIMUM SIZE 0.148"Ø x 3" LONG FOR 10d, 0.131"Ø x 2 1/2" LONG FOR 8d; RING SHANKED FOR ROOF SHEATHING.

REFER TO TABLE ABOVE FOR USE REQUIREMENTS.

# **GENERAL NOTES** GOVERNING CODES USED FOR DESIGN: 2018 INTERNATIONAL BUILDING CODE ASCE/SEI 7-16 2. LIVE LOADS USED IN DESIGN: A. ROOF: FLAT ROOF SNOW LOAD P<sub>f</sub> GROUND SNOW LOAD Pg-SNOW EXPOSURE FACTOR Ce-SNOW LOAD IMPORTANCE FACTOR Is--THERMAL FACTOR Ct--B. FLOORS-----125 PSF 2,000 lb. CONCENTRATED C. WIND: EXPOSURE -RISK CATEGORY -105 MPH D. SEISMIC: RISK CATEGORY -IMPORTANCE FACTOR (Ie) -SITE CLASS --SEISMIC DESIGN CATEGORY 3. CONCRETE: A. <u>CONCRETE MIX TABLE</u> (NORMAL WEIGHT CONCRETE): CONCRETE 4.5 0.40 1 | 4 | 3.5 | I/II | STEMWALLS & **FOOTINGS**

(1) FOR THE MAXIMUM COARSE AGGREGATE SIZE INDICATED, USE THE FOLLOWING AGGREGATE SIZE NUMBERS PER ASTM C33:

-43 PSF

3/4" - #67 AGGREGATE

1" - #57 AGGREGATE (2) TOTAL AIR CONTENT LIMITS INCLUDE BOTH ENTRAINED AND ENTRAPPED AIR +/- 1 1/2%. 'N' IN COLUMN INDICATES ADDITION OF ENTRAINED AIR IS NOT

(3) ABBREVIATIONS FOR REQUIRED ADMIXTURES AS FOLLOWS: AE = AIR-ENTRAINING ADMIXTURE. DO NOT USE ENTRAINED AIR FOR STEEL TROWELED FINISHED FLOORS.

WRA = WATER REDUCING ADMIXTURE

(4) ABBREVIATIONS FOR OTHER REQUIREMENTS AS FOLLOWS: FAR = 20% CLASS F FLY ASH REQUIRED.

SOG = CONTRACTOR TO VERIFY ALKALINITY OF CONCRETE SURFACE, SLAB VAPOR TRANSMISSION, AND SLAB FLATNESS/LEVELNESS ARE COMPATIBLE WITH FLOORING SYSTEM AND ADHESIVES PRIOR TO INSTALLING FLOORING. AMOUNT OF CEMENTITIOUS MATERIALS LISTED SHALL BE PROVIDED, DO NOT USE LESS AND DO NOT SUPPLY OVER 5% MORE.

(5) FOR CONCRETE PLACED BY PUMPING, PROVIDE CONCRETE MIX FLOWABILITY TO

FACILITY PUMPING. B. ALL REINFORCING SHALL CONFORM TO ASTM A615, GRADE 60, EXCEPT COLUMN TIES,

BEAM STIRRUPS, AND DOWELS TO SLAB ON GRADE WHICH MAY BE GRADE 40. C. NO SPLICES OF REINFORCEMENT SHALL BE MADE EXCEPT AS DETAIL OR AUTHORIZED BY THE STRUCTURAL ENGINEER. LAP SPLICES, WHERE PERMITTED, SHALL BE A MINIMUM OF 36 BAR DIAMETERS. MAKE ALL BARS CONTINUOUS AROUND CORNERS.

D. STAGGER SPLICES A MINIMUM OF 4'-0" FOR TOP & BOTTOM CONTINUOUS BARS IN FOUNDATIONS, UNLESS OTHERWISE SHOWN OR NOTED.

E. DETAIL BARS IN ACCORDANCE WITH A.C.I. DETAILING MANUAL AND A.C.I. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, LATEST EDITIONS.

F. PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCING (INCLUDING W.W.F.) AT POSITIONS SHOWN ON THE DRAWINGS. DO NOT ATTEMPT TO POSITION ANY REINFORCEMENT BY LIFTING DURING CONCRETE PLACEMENT.

G. REINFORCEMENT PROTECTION SHALL BE AS FOLLOWS: (1) CONCRETE POURED AGAINST EARTH-----(2) FORMED CONCRETE EXPOSED TO EARTH OR WEATHER----(3) FORMED STAIRS OR WALLS NOT EXPOSED TO WEATHER-----

CONCRETE UNLESS OTHERWISE SHOWN OR NOTED. I. SLABS, BEAMS, AND GRADE BEAMS SHALL NOT HAVE JOINTS IN A HORIZONTAL PLANE. ANY STOP IN CONCRETE WORK MUST BE MADE AT MIDDLE OF SPAN WITH VERTICAL BULKHEADS AND KEYS AS SHOWN PER THE TYPICAL CONCRETE WALL CONSTRUCTION JOINT DETAIL. ALL CONSTRUCTION JOINTS SHALL BE AS DETAILED OR AS APPROVED BY THE ARCHITECT AND THE

4. WOOD:

STRUCTURAL ENGINEER.

A. ALL BEAMS AND HEADERS 2 TO 4 INCHES THICK SHALL BE HEM-FIR NO. 2 OR BETTER

H. PLACE 2-#5 (ONE EACH FACE) WITH 2'-0 PROJECTION AROUND ALL OPENINGS IN

WITH  $F_b = 850 \text{ PSI AND E} = 1,300,000 \text{ PSI}.$ B. SAWN LUMBER WALL STUDS, AND PLATES NOT IN CONTACT WITH CONCRETE OR MASONRY, SHALL BE HEM-FIR OR BETTER IN STUD GRADE WITH MINIMUM  $F_c = 800$  PSI AND E = 1,200,000 PSI. C. LAMINATED VENEER LUMBER (L.V.L.) SHALL BE "MICROLLAM" BY WEYERHAUSER, "VERSA LAM" BY BOISE

CASCADE, "RIGIDLAM" BY ROSEBURG, OR AN ENGINEER APPROVED EQUIVALENT WITH MINIMUM

 $F_b = 2,600 \text{ PSI AND MINIMUM E} = 1,900,000 \text{ PSI}.$ D. PRESSURE-TREATED (P.T.) OR PRESERVATIVE TREATED LUMBER SHALL BE FABRICATED WITH EITHER SBX/DOT OR ZINC-BORATE PRESERVATIVE. LUMBER CONTAINING COPPER BASED PRESERVATIVES

IS NOT ALLOWED. E. ALL NAILS USED IN STRUCTURAL WOOD FRAMING SHALL BE COMMON NAILS WITH THE FOLLOWING MINIMUM DIMENSIONS, UNLESS NOTED OTEHRWISE:

8d COMMON - 0.131"Ø x 2 1/2" LONG 10d COMMON - 0.148"Ø x 3" LONG 16d COMMON - 0.162"Ø x 3 1/2" LONG 20d COMMON - 0.192"Ø x 4" LONG

F. BUILT UP BEAMS OF DIMENSIONAL LUMBER OR LAMINATED VENEER LUMBER SHALL BE ATTACHED TOGETHER WITH 16d COMMON NAILS @ 32" O.C. TOP AND BOTTOM, STAGGERED. PROVIDE 2-16d COMMON NAILS AT BEAM ENDS AND INTERMEDIATE SUPPORTS.

FOUNDATIONS:

FOUNDATION DESIGN IS BASED UPON AN ASSUMED ALLOWABLE SOIL BEARING PRESSURE = 1,000 PSF A QUALIFIED SOILS ENGINEER SHOULD EXAMINE THE EXCAVATION TO VERIFY SOIL CONDITIONS AND ALLOWABLE BEARING PRESSURE PRIOR TO CONSTRUCTION.

SPECIAL INSPECTIONS:

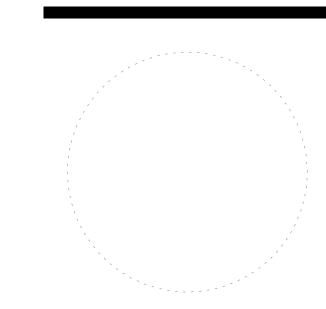
A. SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE SCHEDULE ON THIS SHEET.

ALL DIMENSIONS ON STRUCTURAL DRAWINGS TO BE CHECKED AGAINST ARCHITECTURAL. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES BEFORE PROCEEDING WITH CONSTRUCTION.



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# OLD PALISADE HIGH **SCHOOL DEMOLITION**

711 IOWA AVENUE PALISADE, COLORADO

# **GENERAL NOTES**

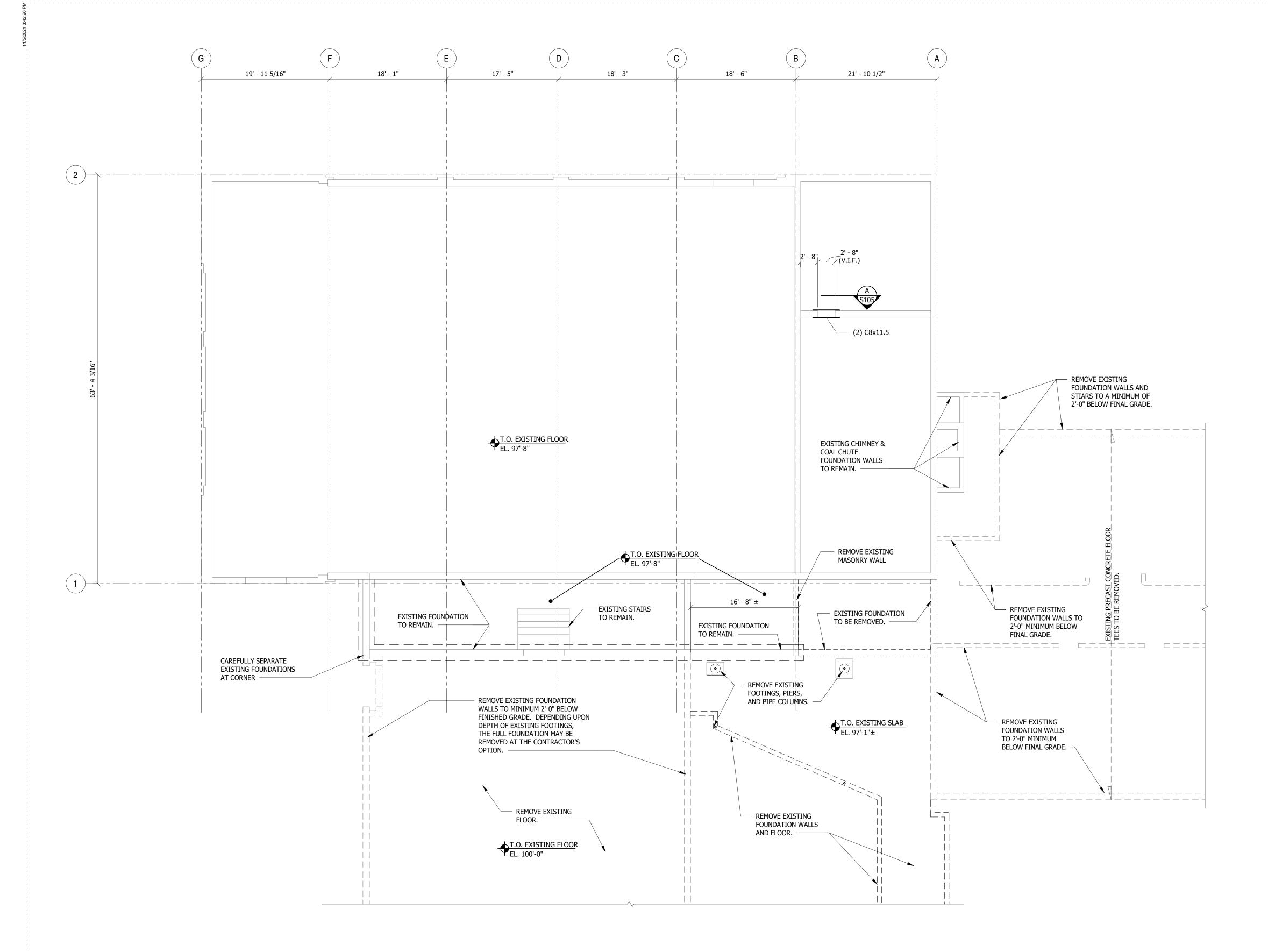
PROJECT STATUS:

CONSTRUCTION DOCUMENTS

DATE: 11/05/21 SHEET NO:

PROJECT NO:

<sup>2.</sup> OSB SHEATHING MAY BE USED AS AN ALTERNATE TO PLYWOOD W/ PRIOR APPROVAL OF OWNER AND CONTRACTOR. OSB SHEATHING SHALL COMPLY WITH THE APA PLYWOOD DESIGN SPECIFICATION AND SHALL HAVE A SPAN RATING EQUIVALENT TO, OR BETTER, THAN THE PLYWOOD IT REPLACES. ATTACHMENT AND THICKNESS (WITHIN 1/32") SHALL BE THE SAME AS THE PLYWOOD IT REPLACES. 3. ALL EDGES OF ROOF SHEATHING SHALL BE BLOCKED WITH A 2" NOMINAL WOOD FRAMING MEMBER.4.





1/8" = 1'-0"

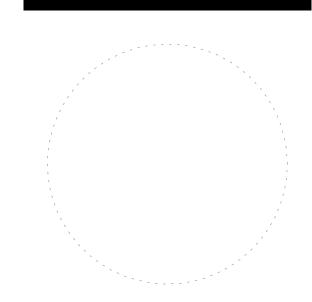
FOUNDATION DEMOLITION PLAN

1. VERIFY EXISTING STRUCTURAL CONDITIONS IN THE FIELD PRIOR TO DEMOLITION. NOTIFY THE ARCHITECT AND THE STRUCTURAL ENGINEER OF ANY SIGNIFICANT DIFFERENCES IN THE ASSUMED STRUCTURAL FRAMING OR ANY CONDITIONS THAT MAY BE DEEMED UNSAFE.



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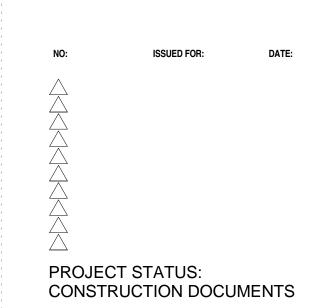




# OLD PALISADE HIGH SCHOOL DEMOLITION

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# FOUNDATION DEMOLITION PLAN

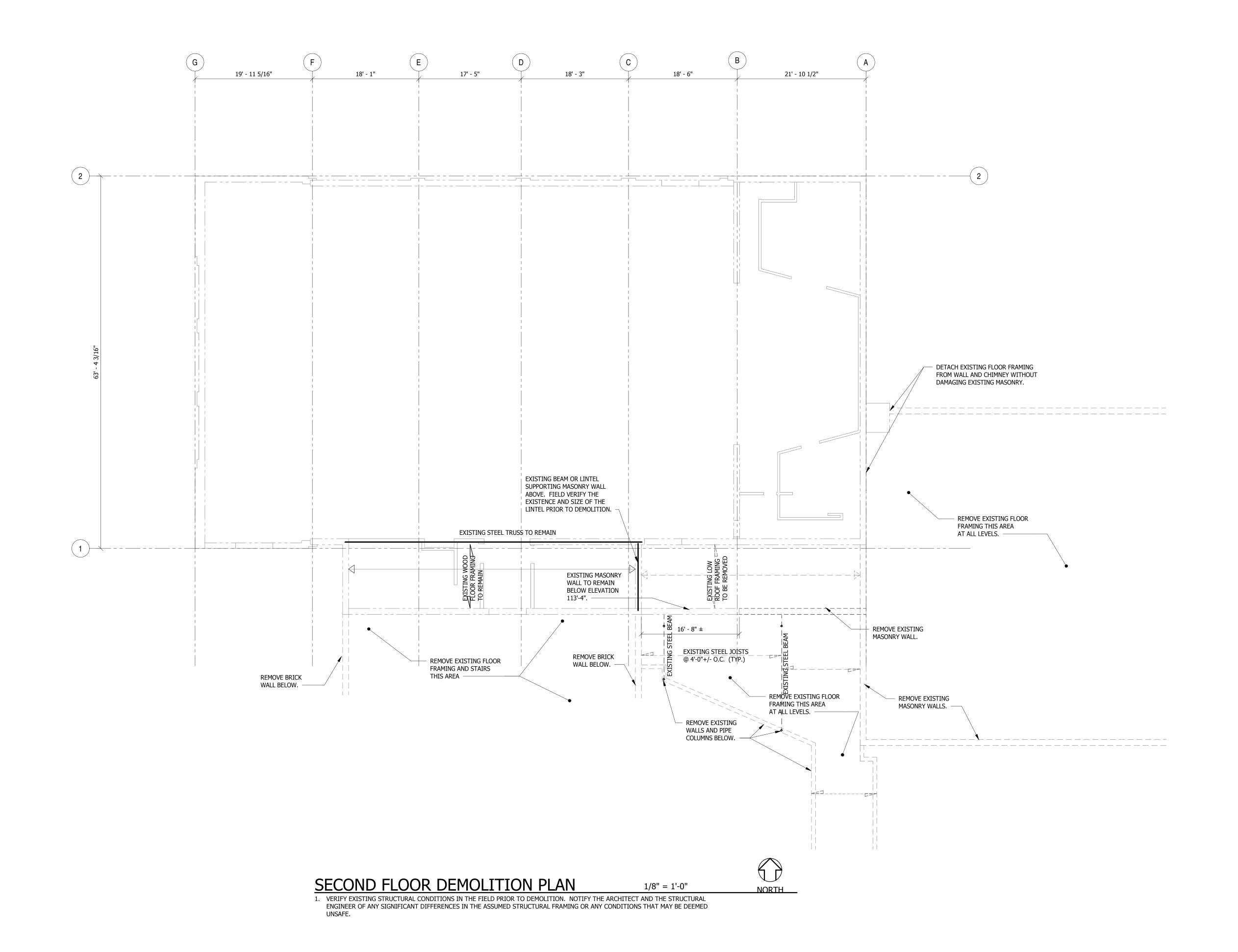


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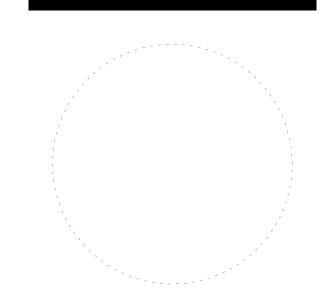
PROJECT NO:

**S101A** 





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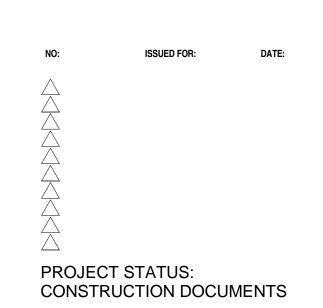




# OLD PALISADE HIGH SCHOOL DEMOLITION

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# SECOND FLOOR DEMOLITION PLAN

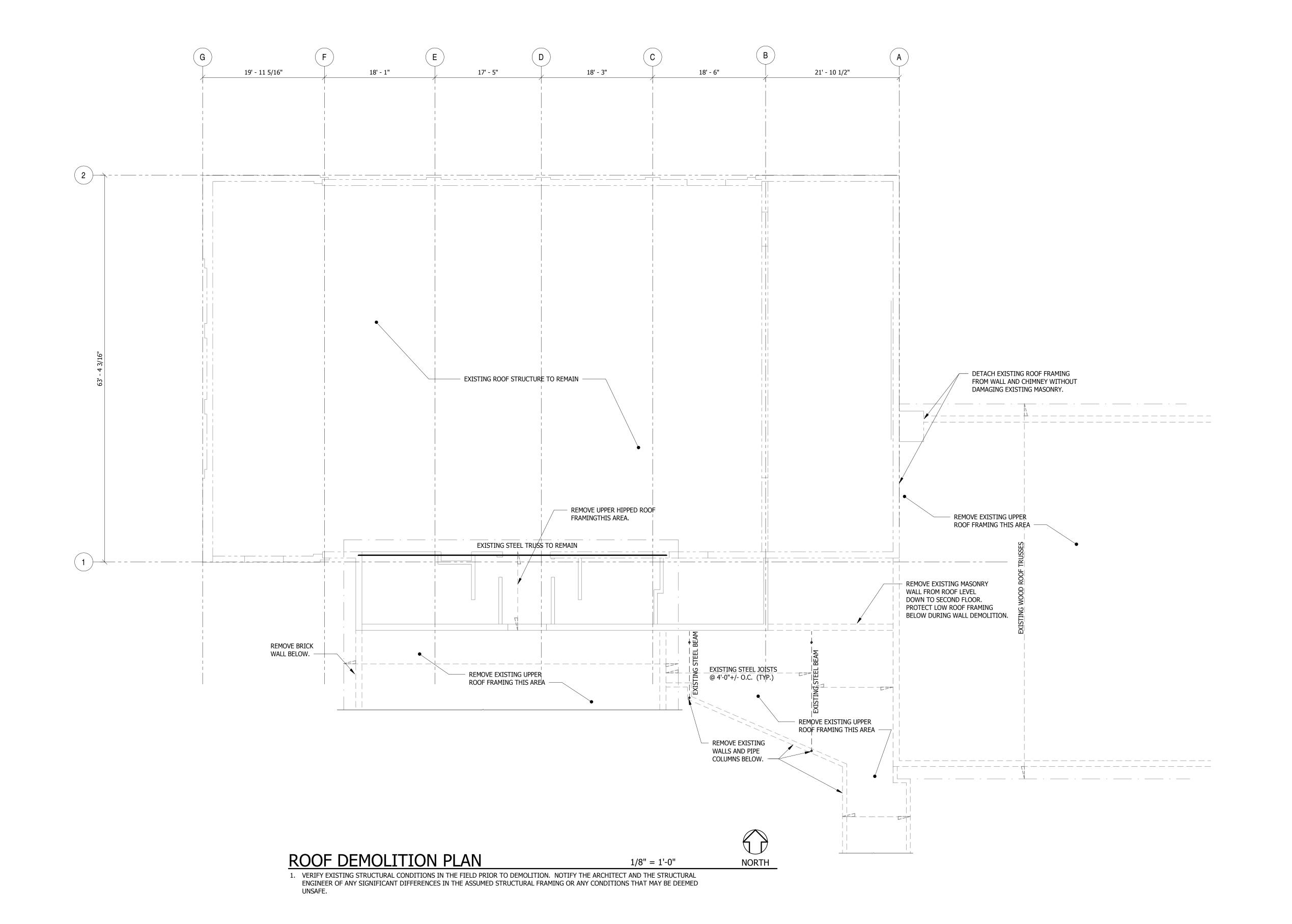


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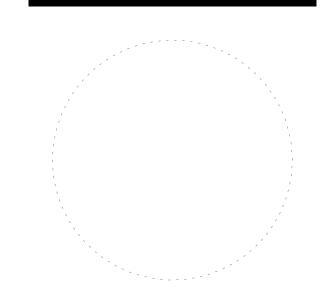
PROJECT NO:

S101B





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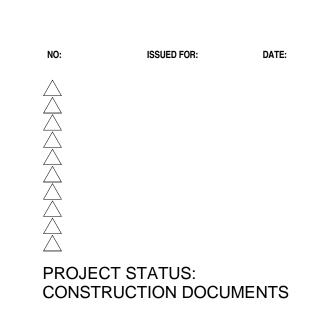




# OLD PALISADE HIGH SCHOOL DEMOLITION

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# ROOF DEMOLTION PLAN

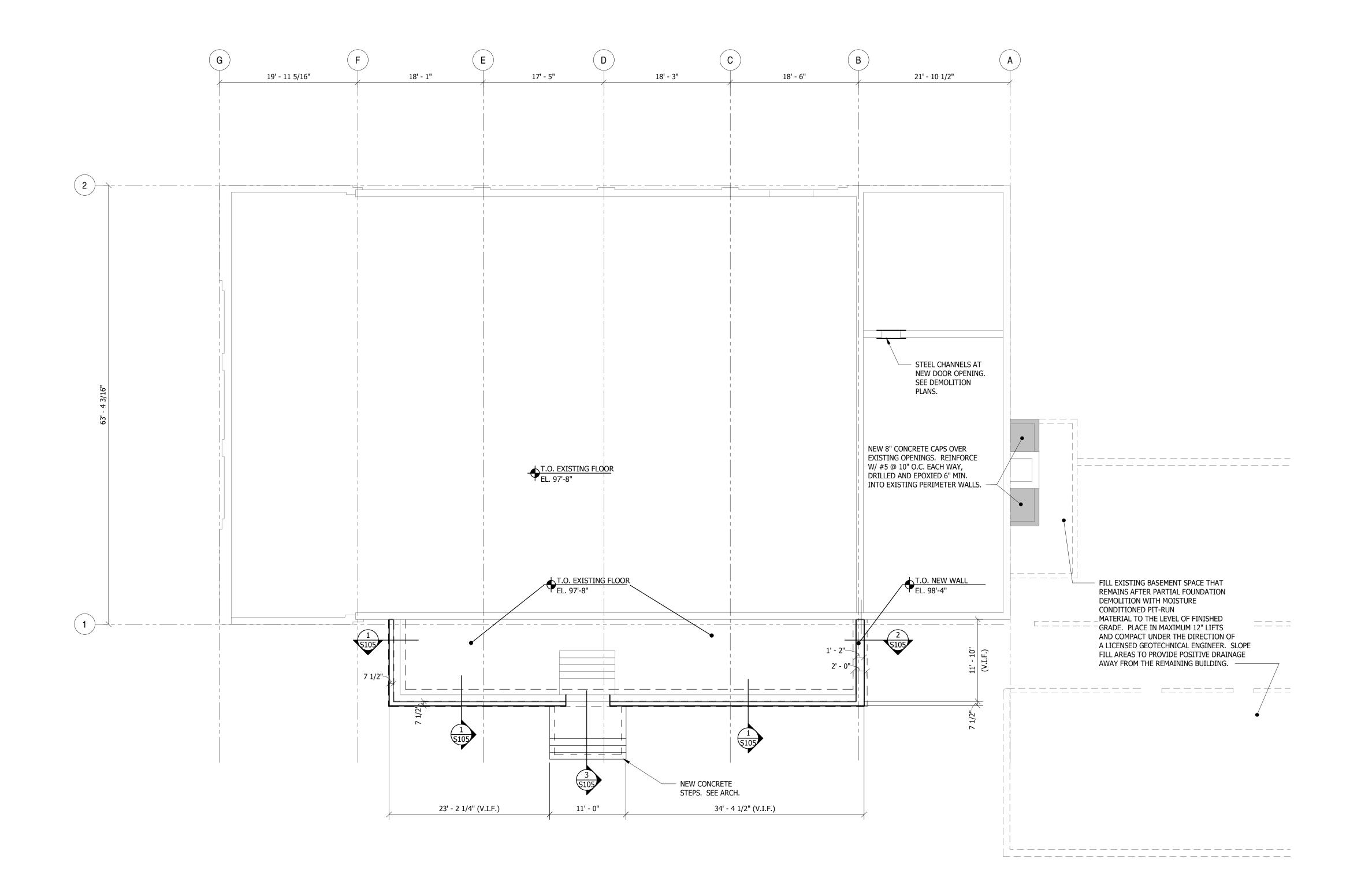


DATE: **11/05/21** 

SHEET NO:

PROJECT NO:

S101C

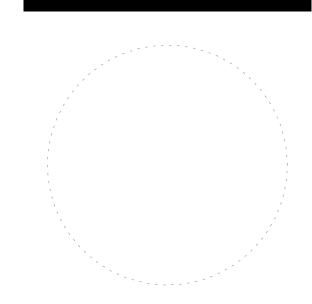


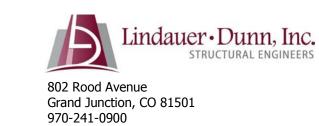
FOUNDATION PLAN 1/8" = 1'-0"



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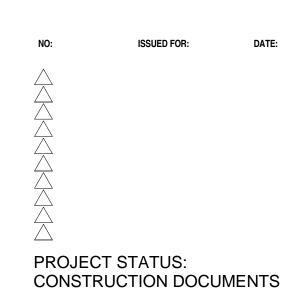


# **OLD PALISADE HIGH SCHOOL DEMOLITION**

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# **FOUNDATION PLAN**

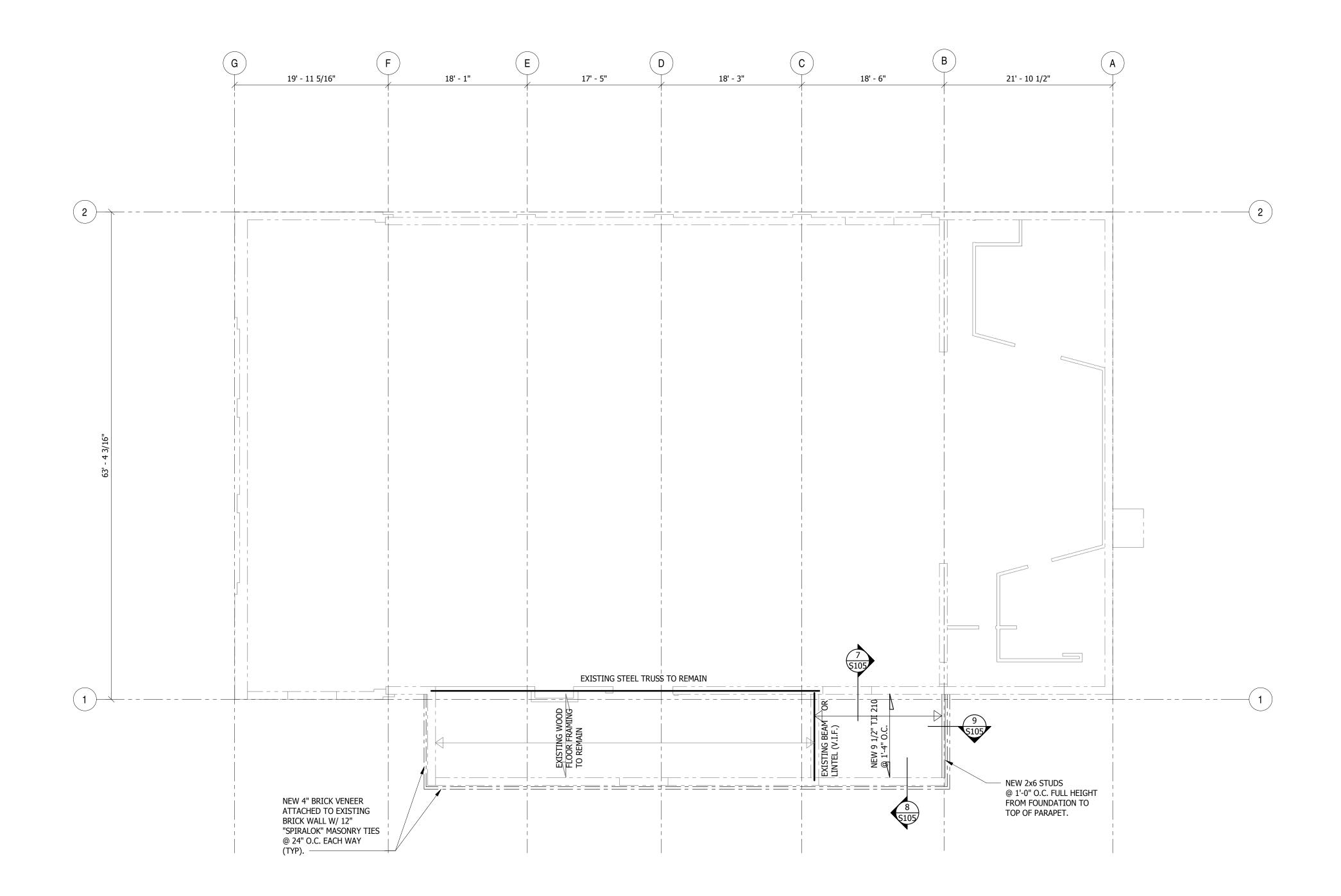


DATE: 11/05/21

SHEET NO:

PROJECT NO:

**S102** 



SECOND FLOOR PLAN

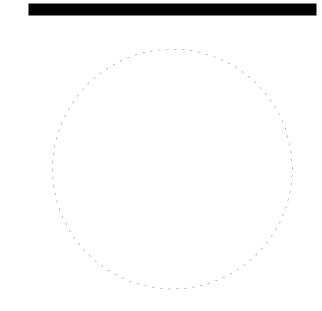
1/8" = 1'-0"

NORTH



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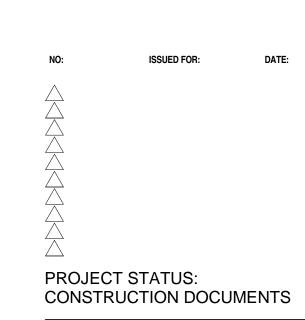




# OLD PALISADE HIGH SCHOOL DEMOLITION

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# SECOND FLOOR FRAMING PLAN

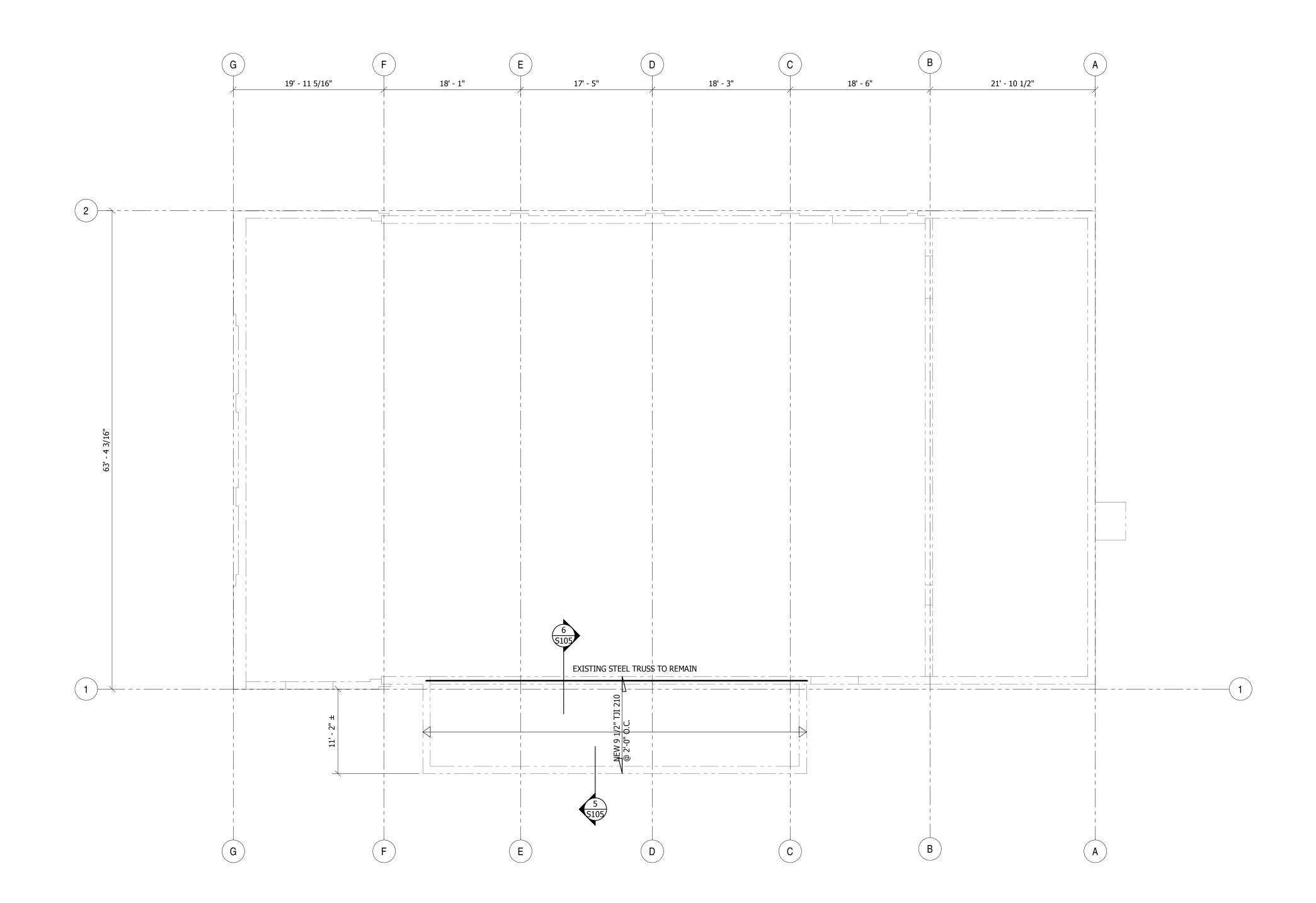


DATE: 11/05/21

SHEET NO:

PROJECT NO:

**S103** 



ROOF PLAN

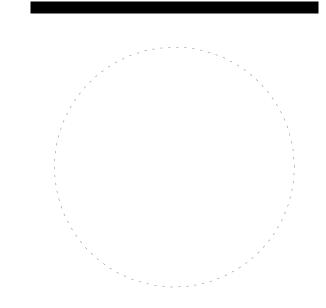
1/8" = 1'-0"

NORTH



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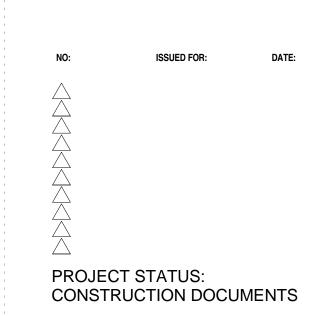




# OLD PALISADE HIGH SCHOOL DEMOLITION

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# ROOF FRAMING PLAN

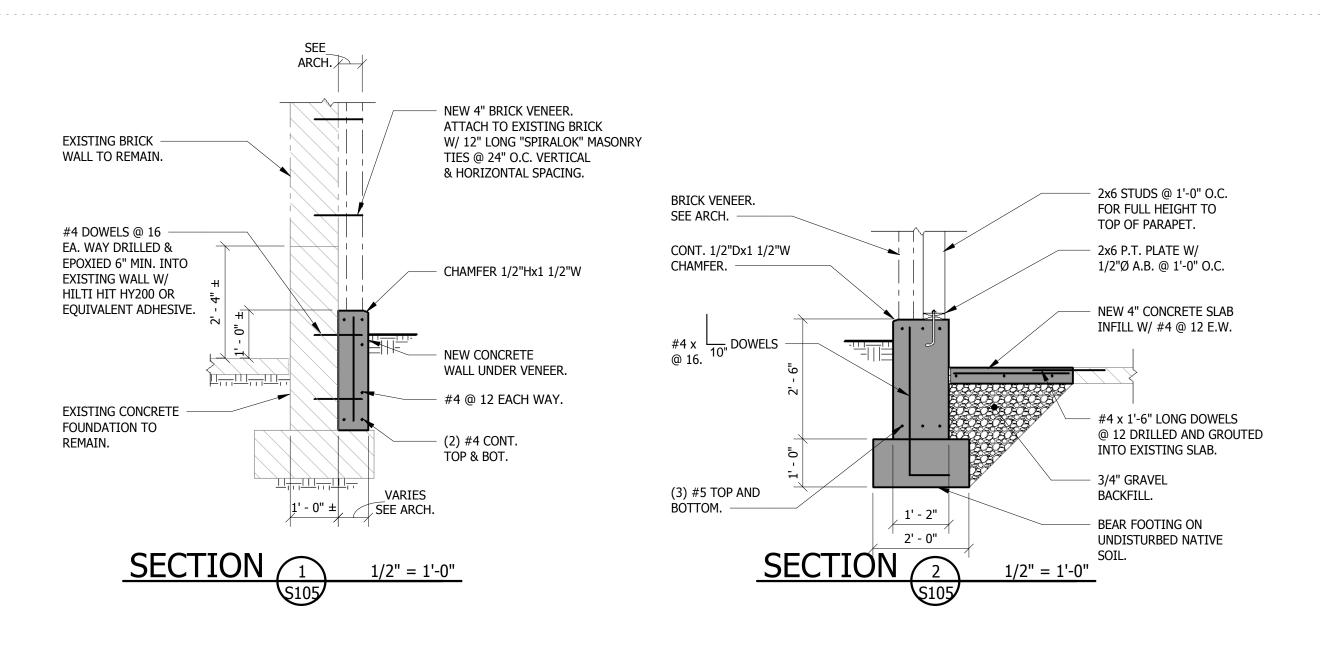


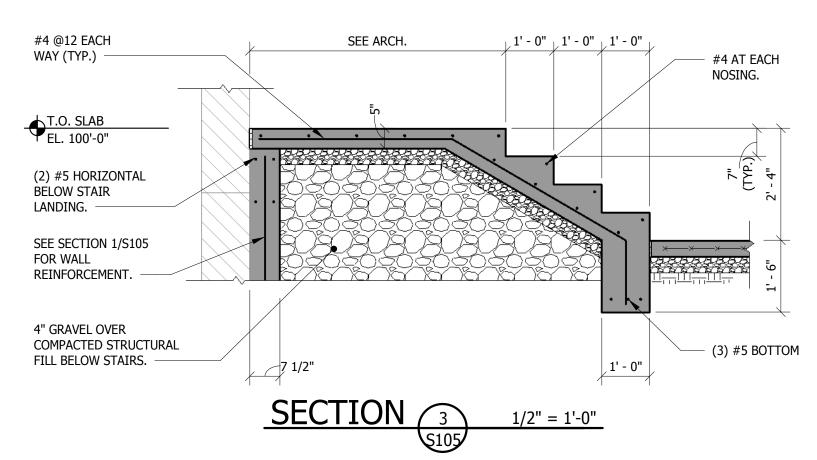
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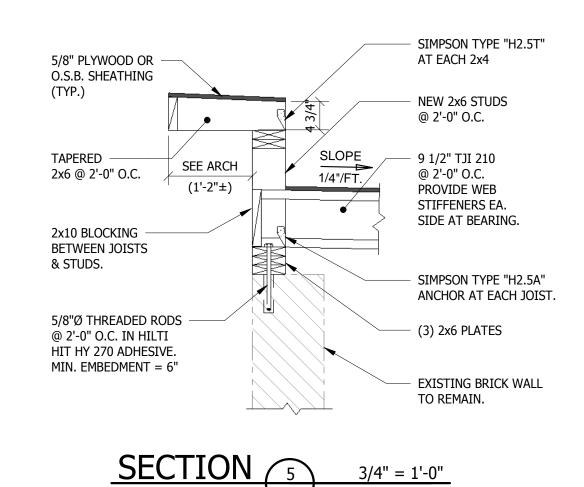
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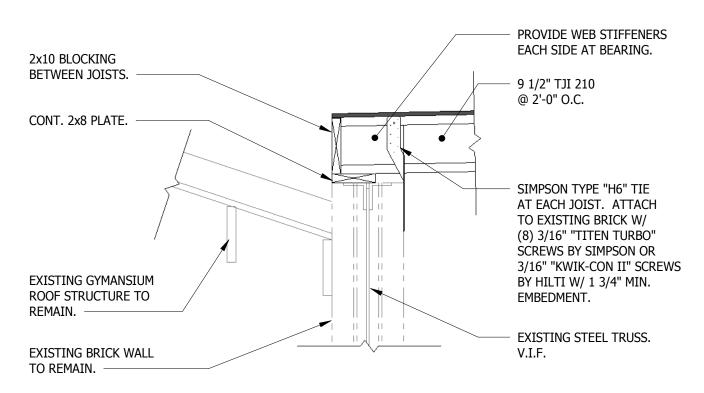
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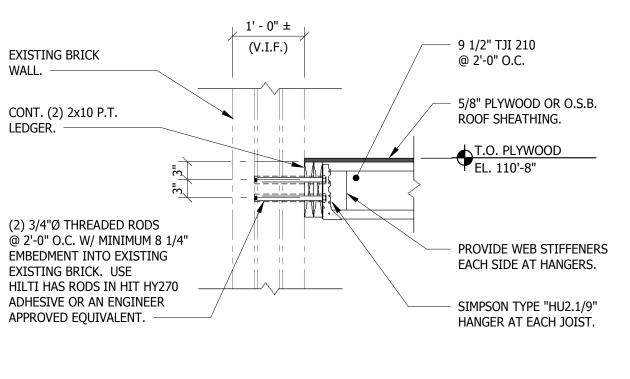
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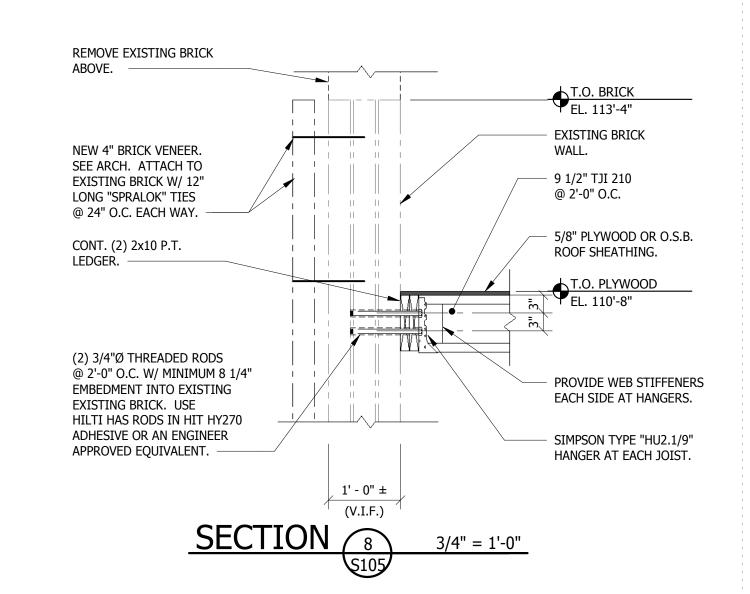


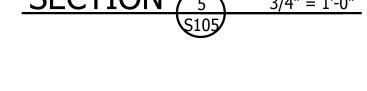


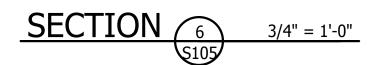




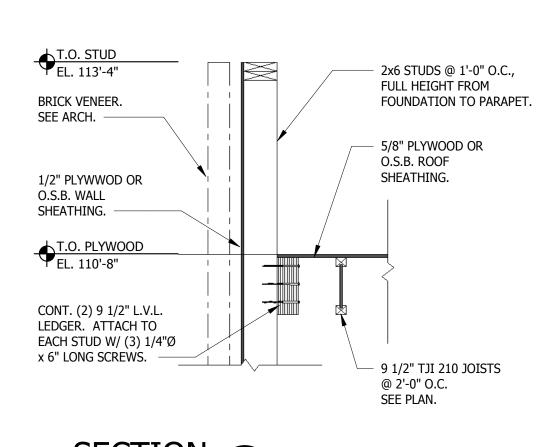


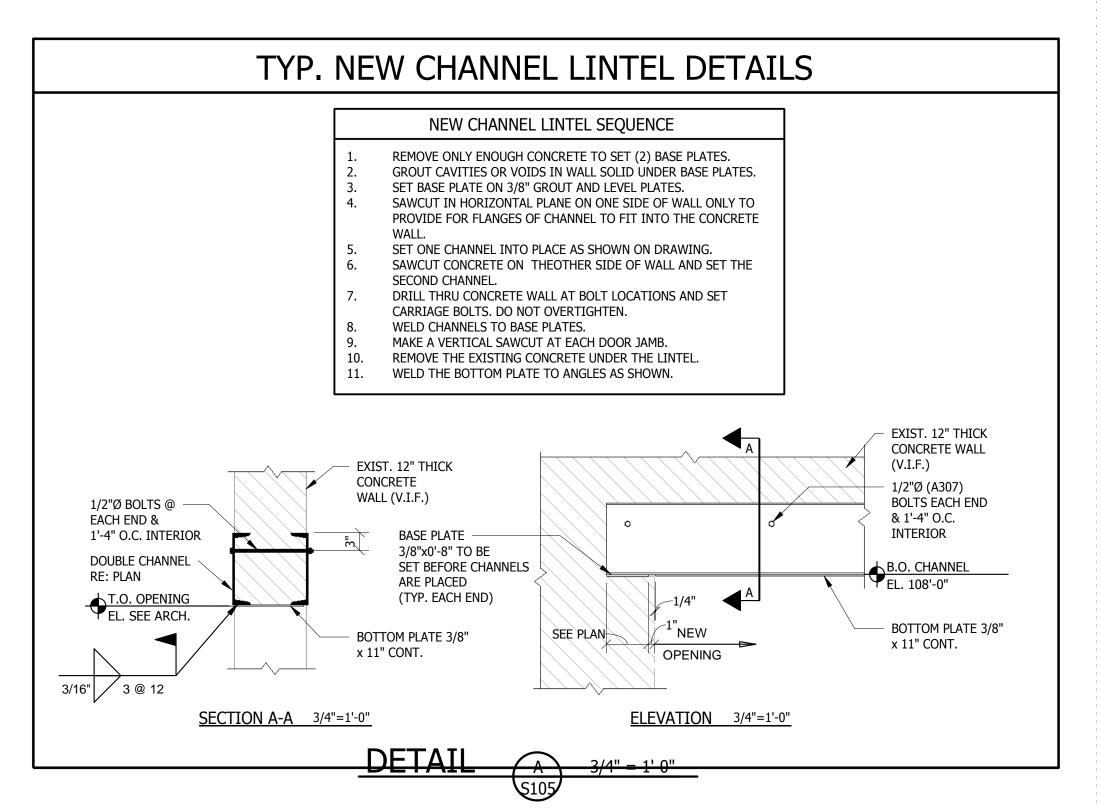






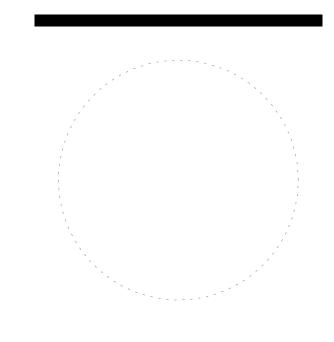








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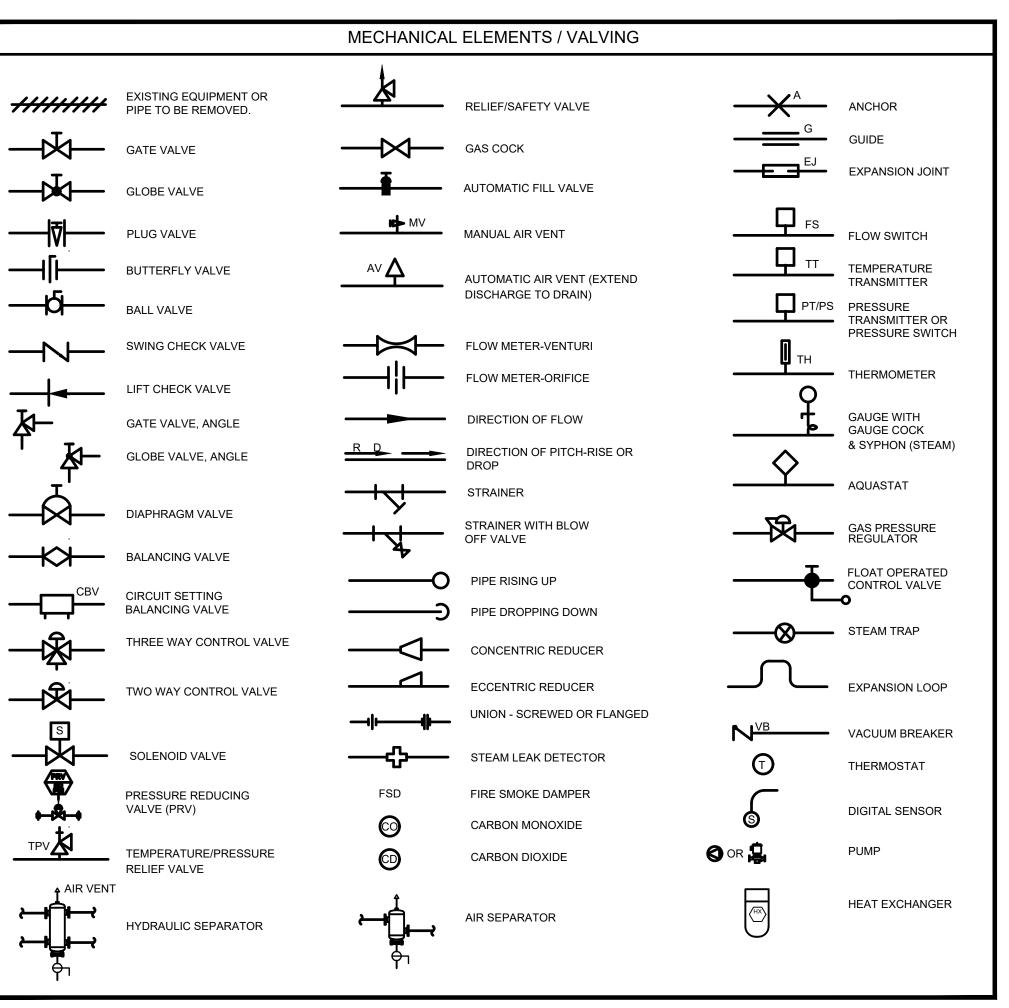
# OLD PALISADE HIGH SCHOOL DEMOLITION

711 IOWA AVENUE PALISADE, COLORADO

# FOUNDATION & FRAMING SECTIONS

11/05/21 SHEET NO:

PROJECT NO: **\$105** 



	LINE	DESIGNATION SYMBOLS
	CHWR —	CHILLED WATER RETURN
	CHWS —	CHILLED WATER SUPPLY
	CA ——	COMPRESSED AIR
	CR ——	CONDENSER WATER RETURN
	cs ——	CONDENSER WATER SUPPLY
•	D —	DRAIN
	HPR ——	HEAT PUMP RETURN
	HPS —	HEAT PUMP SUPPLY
	HWR —	HOT WATER RETURN
	HWS —	HOT WATER SUPPLY
	G ——	NATURAL GAS
•	RH —	REFRIGERANT HIGH PRESSURE VAPOR
	R ——	REFRIGERANT LIQUID AND VAPOR LINE
	RS ——	REFRIGERANT SUCTION / VAPOR
	SMR	SNOWMELT RETURN
	SMS	SNOWMELT SUPPLY
	v <del></del>	VENT PIPING

# MECHANICAL PROVISIONS

# 1. SCOPE OF WORK

- A THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK MATERIALS AND LABOR TO SATISFY A COMPLETE WORKING SYSTEM WHETHER SPECIFIED OR IMPLIED.
- ALL LOCAL CODES AND ALL OTHER REGULATION GOVERNING WORK OF THIS NATURE.
- C. THE CONTRACTOR SHALL, BEFORE SUBMITTING ANY PROPOSAL, EXAMINE THE PROPOSED SITE AND SHALL DETERMINE FOR HIMSELF THE CONDITIONS THAT MAY EFFECT THE WORK. NO ALLOWANCE SHALL BE MADE IF THE CONTRACTOR FAILS TO MAKE SUCH EXAMINATIONS.
- D. ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY THE ENGINEER OR ARCHITECT.

A. THE CONTRACTOR SHALL SECURE ALL PERMITS OR APPLICATIONS AND PAY ANY AND ALL FEES.

# 3. SHOP DRAWINGS

A. SUBMIT MATERIAL LIST AND SHOP DRAWINGS FOR MAJOR EQUIPMENT TO THE ARCHITECT/ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL SUBMIT FIVE SETS OF SHOP DRAWINGS AND THEY SHALL BE CLEARLY

# 4. FLEXIBLE DUCT WORK

- A. FLEXIBLE TYPE DUCT SHALL BE OF TWO ELEMENT SPIRAL CONSTRUCTION COMPOSED OF A CORROSION RESISTANT METAL SUPPORTING SPIRAL AND COATED FABRIC WITH A MINERAL BASE. FLEXIBLE DUCT CONNECTORS SHALL BE LISTED BY U.L., CLASS 1 DUCTS, AND SHALL HAVE A FLAME SPREAD RATING NOT EXCEEDING 25 AND A SMOKE DEVELOPED RATING NOT EXCEEDING 50.
- B. USE OF FLEXIBLE DUCTWORK SHALL BE LIMITED TO NO MORE THAN 6 LINEAR FEET PER RUN C. CONTRACTOR SHALL BE CAREFUL SO AS NOT TO KINK OR COLLAPSE

# 5. REFRIGERANT

FLEXIBLE DUCT.

- A PIPING CONTRACTOR SHALL PROVIDE AND INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND IN SUCH A WAY AS TO BE INCONSPICUOUS AND FREE FROM ANY
- POSSIBLE CONDENSATION. B. INSULATE REFRIGERANT LINES WITH ARMOUR-FLEX TYPE INSULATION, SHALL BE TYPE "K" COPPER TUBING, WITH WROUGHT COPPER SOLDER TYPE FITTINGS SUITABLE FOR CONNECTION WITH SILVER SOLDER.

# 6. DUCTWORK

- A. THE DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE
- WITH THE "SMACNA" APPLICABLE MANUALS. B. ALL DUCTWORK SHALL BE THE LOW VELOCITY TYPE, UNLESS SPECIFIED
- OTHERWISE C. CONTRACTOR SHALL PROVIDE AND INSTALL APPROVED FIRE DAMPERS AND ACCESS PANELS IN ANY AND ALL DUCTWORK WHICH PENETRATES A HORIZONTAL OR VERTICAL FIRE PARTITION, OR AS
- OTHERWISE SHOWN ON DRAWINGS. D. ALL BRANCH DUCTS TO HAVE VOLUME DAMPERS, SMOOTH TURN RADIUS DUCTWORK OR TURNING VANES SHALL BE USED THROUGHOUT WHERE FLOW
- EXCEEDS 150 CFM. E. ALL DUCT JOINTS TO BE SEALED IN ACCORDANCE WITH "SMACNA"
- STANDARDS AND ACCEPTED GOOD PRACTICE.
- F. ALL DUCT DIMENSIONS SHOWN ARE NET INSIDE VALUES.DIMENSIONS MAY BE CHANGED SO LONG AS THE NET FREE FACE AREA IS MAINTAINED. G. ALL CONCEALED DUCTWORK SHALL BE INSULATED WITH 1-1/2"
- FIBERGLASS INSULATING BLANKET WITH ALUMINUM FOIL FACING H. ALL SUPPLY AND RETURN DUCTWORK 15 FEET DOWNSTREAM OF THE HVAC UNIT SHALL BE INTERNALLY LINED WITH A 1/2" ACOUSTICAL DUCT LINER UNLESS OTHERWISE NOTED ON THE DRAWINGS.

# **HVAC & DUCTWORK SYMBOLS** IN PLACE AND WIRED AS FOLLOWS: SECTION THROUGH RETURN DUCT SECTION THROUGH EXHAUST AIR DUCT >>SECTION THROUGH SUPPLY OR OUTSIDE AIR DUCT FIRE / SMOKE DAMPER SMOKE DAMPER SUPPLY OR OUTSIDE AIR DUCT ACCESS DOOR (BOTTOM OR SIDE) ACOUSTICALLY LINED DUCT FSD FIRE DAMPER, SMOKE DAMPER, FIRE/SMOKE DAMPE MANUAL VOLUME DAMPER INCLINED DROP IN DIRECTION OF ARROW INCLINED RISE IN DIRECTION OF ARROW TRANSITION, RECTANGULAR TO ROUND FLEXIBLE DUCT IN-LINE FAN TRANSITION, RECTANGULAR SPIN-IN COLLAR INTO ADAPTER ON TOP OF DUCT CEILING SUPPLY AIR REGISTER/GRILLE

SIDEWALL SUPPLY AIR REGISTER (SR)

ELBOW, SQUARE OR RECTANGULAR TYPE

**ELBOW TURNED DOWN** 

ELBOW TURNED UP

ELBOW, RADIUS TYPE

OPEN END DUCT

FLEXIBLE CONNECTION

WITH AIRFOIL TURNING VANES

CEILING RETURN AIR REGISTER (RR)

SIDEWALL RETURN AIR REGISTER (RR)

# 7. DRAINAGE PIPING

A. (CONDENSATE) SHALL BE SCHEDULE 40 PVC PIPE WITH SOLVENT JOINTS. PITCH HORIZONTAL LINES 1" IN 10'-0". CONDENSATE DRAINS SHALL BE ROUTED TO FLOOR DRAIN. ROOF DRAIN OR INDIRECT WASTE DRAIN.

# 8. HVAC CONTROLS

A. CONTRACTOR TO SUPPLY AND INSTALL ALL CONTROL WIRING AND HERMOSTATS AS REQUIRED.

# 9. ELECTRICAL

A. CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR FOR LOCATION OF WIRING FOR EACH HVAC UNIT.

# 10. PIPE SUPPORTS

A. ALL PIPE SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE IN A NEAT AND WORKMANLIKE MANNER. THE USE OF WIRE OR METAL STRAP TO SUPPORT PIPES WILL NOT BE PERMITTED. SPACING OF PIPE SUPPORTS SHALL NOT EXCEED 8 FEET FOR ALL PIPING. PLASTIC PIPING TO BE SUPPORTED EVERY 4 FEET.

# 11. GAS PIPING

A. PIPING SHALL BE SCHEDULE 40 BLACK STEEL PIPE WITH MALLEABLE IRON WHERE GAS PIPE CONNECTS TO EQUIPMENT, IT SHALL BE PROVIDED WITH A

### DRIP LEG THE FULL SIZE OF THE RUNOUT, A 100% SHUT-OFF VALVE AND A UNION. GAS PIPING CONTAINING PRESSURE GREATER THAN 9" W.G. SHALL BE SCHEDULE 40 BLACK STEEL PIPE WITH WELDED JOINTS.

12. MISCELLANEOUS A. ALL EXTERIOR OPENINGS TO BE PROPERLY CAULKED AND SEALED WITH A

SEALANT OF HIGH QUALITY AND LONG LIFE, TO PREVENT INFILTRATION

OF OUTSIDE AIR INTO CONDITIONED SPACE. COORDINATE INSTALLATION OF ALL ROOF FLASHING AT ROOF PENETRATION.

B. DO NOT SCALE THIS DRAWING FOR EXACT DIMENSIONS. C. VERIFY ALL FIGURES, CONDITIONS, AND DIMENSIONS AT THE JOB SITE.

D. THE MECHANICAL PLANS ARE INTENDED TO BE DIAGRAMMATIC AND ARE BASED ON ONE MANUFACTURE'S EQUIPMENT. THEY ARE NOT INTENDED TO SHOW EVERY ITEM IN ITS EXACT LOCATION, THE EXACT DIMENSIONS, OR ALL THE DETAILS OF THE EQUIPMENT

E. THE CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS OF THE EQUIPMENT PROPOSED TO ENSURE THAT THE EQUIPMENT WILL FIT IN THE AVAILABLE

D. PEX TUBING, IF PEX TUBING IS USED AS AN APPROVED ALTERNATE FOR APPLICATIONS WHERE METALLIC PIPING IS THE BASIS OF DESIGN. THE PEX MANUFACTURER SHALL SUBMIT SHOP DRAWINGS CLEARLY INDICATING THAT THE DESIGN HAS BEEN ANALYZED COND CONDENSATE AND MODIFIED. AS REQUIRED TO MAINTAIN SCHEDULED HYDRONIC SYSTEM PARAMETERS. ANY DESIGN RESULTING IN INCREASED SYSTEM PRESSURE DROP AS A RESULT OF IMPROPER PEX SIZING OR DESIGN SHALL NOT BE PERMITTED.

# 13. GUARANTEE

- A. MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE(1) YEAR FROM DATE OF ACCEPTANCE, DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AT THIS CONTRACTOR'S
- B. FOR THE SAME PERIOD, THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PREMISES CAUSED BY DEFECTS IN WORKMANSHIP OR IN THE WORK OR EQUIPMENT FURNISHED AND/OR INSTALLED BY HIM.

### RESPONSIBLE DIVISION:

UNLESS OTHERWISE INDICATED ALL HEATING, VENTILATING, AIR CONDITIONING, PLUMBING, AND OTHER MECHANICAL EQUIPMENT, MOTORS, AND CONTROLS SHALL BE FURNISHED, SET

EM	FURNISHED	SET	POWER WIRED	CONTROL WIRED
QUIPMENT	23	23	26	
OMBINATION MAGNETIC DTOR STARTERS, MAGNETIC DTOR STARTERS, VFD'S AND DNTACTORS	23(1)	26	26(2)	23
ISED AND UNFUSED SCONNECT SWITCHES, IERMAL OVERLOAD SWITCHES ID HEATERS, MANUAL MOTOR CARTERS	26	26	26	
ANUAL-OPERATING AND JLTI-SPEED SWITCHES	23	26	26	26
ONTROLS, RELAYS, AANSFORMERS	23	23	26	23
IERMOSTATS (LOW VOLTAGE) ID TIME SWITCHES	23	23	26	23
HERMOSTATS (LINE VOLTAGE)	23	23	26	26
MPERATURE CONTROL PANELS	23	23	26	23
DTOR AND SOLENOID VALVES, MPER MOTORS, PE & EP VITCHES	23	23(2)		23(2)
ISH-BUTTON STATIONS ID PILOT LIGHTS	23	23(2)		23(2)
EATING, COOLING, ENTILATION AND AIR ENDITIONING CONTROLS	23	23	26	23
HAUST FAN SWITCHES	23	26	26	23(2)

I. MOTOR STARTER TO INCLUDE CONTROL TRANSFORMER, HOA SWITCH, (1) NO AND (1)NC AUXILIARY CONTACT, AND "ON" AND "OFF" PILOT LIGHTS.

. IF ITEM IS FOR LINE VOLTAGE, SET IN PLACE AND CONNECT UNDER DIVISION 26. WHERE FACTORY MOUNTED ON EQUIPMENT OR ATTACHED TO PIPING OR DUCTS AND USING LINE VOLTAGE FURNISH AND SET UNDER DIVISION 23, CONNECT UNDER DIVISION 26.

## ABBREVIATIONS:

COL COLUMN

CONC CONCRETE

COMP COMPRESSOR

CONN CONNECTION

CONT CONTINUATION

CONTR CONTRACTOR

44" FINISH	MOUNTING HEIGHT ABOVE IED FLOOR TO CENTER OF DEVICE	CRI	COLOR RENDERING INDEX	FLR	FLOOR
A	AMPS	CT	COOLING TOWER	FOB	FLAT ON BOTTOM
A.D.	ACCESS DOOR	CT	CURRENT TRANSFORMER	FOT	FLAT ON TOP
AAV	AIR ADMITTANCE VALVE	CU	CONDENSING UNIT	FP	FIRE PROTECTION
ABV	ABOVE	CU	COPPER	FP	FIRE PUMP
AC	AIR CONDITIONING UNIT	CUH	CABINET UNIT HEATER	FPM	FEET PER MINUTE
	ABOVE COUNTER	CVB	CONSTANT VOLUME BOX	FPS	FEET PER SECOND
AC		CWR	CONDENSER WATER RETURN	FS	FLOW SWITCH
AD	AREA DRAIN (SEE SYMBOLS)	CWS	CONDENSER WATER SUPPLY	FSD	FIRE/SMOKE DAMPER
	ABOVE FINISHED CEILING	DB	DRY BULB	FT	FEET
	AMBERE INTERRUPTING	DEPT	DEPARTMENT	FXC	FLEXIBLE CONNECTION
AIC CAPAC	AMPERE INTERRUPTING	DF	DRINKING FOUNTAIN	GND	GROUND
	ABOVE FINISHED FLOOR	DIA	DIAMETER	GA	GAUGE
AHU	AIR HANDLING UNIT	DIAG	DIAGRAM	GAL	GALLON
	ALUMINUM	DIFF	DIFFERENTIAL	GALV	GALVANIZED
AP	ACCESS PANEL OR DOOR	DISCH	DISCHARGE	GEC	GROUND ELECTRODE
		DIV	DIVISION		UCTOR
ATS	AUTOMATIC TRANSFER SWITCH AUDIO / VIDEO	DN	DOWN		GFI GROUND FAULT CIRCUIT RUPTER
AV		DS	DUCT SILENCER		
AVG	AVERAGE	DWG	DRAWING	GC	GENERAL CONTRACTOR
AWG	AMERICAN WIRE GAGE	DX	DIRECT EXPANSION	GPH	GALLONS PER HOUR
BAS	BUILDING AUTOMATION SYSTEM	(A)	EXISTING	GPM	GALLONS PER MINUTE
BB	BASEBOARD	EA	EXHAUST AIR GRILLE/REGISTER	GRS/L	
BD 	BACK DRAFT DAMPER	EAT	ENTERING AIR TEMPERATURE	H 2O	WATER
BFP	BACK FLOW PREVENTOR	EC	ELECTRICAL CONTRACTOR	HB	HOSE BIBB
BL	BOILER	ECC	ECCENTRIC	HD	HEAD (SEE SCHEDULES)
	BUILDING	EF	EXHAUST FAN	HP	HEAT PUMP
BLW	BELOW	EFF	EFFICIENCY	HP	HORSEPOWER
вов	BOTTOM OF BEAM	EL	ELEVATION	HR	HOUR
BOD	BOTTOM OF DUCT		ELECTRIC	HT	HEIGHT
BOP	BOTTOM OF PIPE		ELEVATOR	HTR	HEATER
BSMT	BASEMENT	EM	EMERGENCY FUNCTION	HWR	HEATING WATER RETURN
BTU	BRITISH THERMAL UNIT	ENT	ENTERING	HWS	HEATING WATER SUPPLY
С	CHILLER	EMT	ELECTRIC METALLIC TUBE	HX	HEAT EXCHANGER
CAP	CAPACITY	EQ	EQUAL	HZ	HERTZ
СВ	CIRCUIT BREAKER		EQUIPMENT	ID	INSIDE DIAMETER
CBV	CIRCUIT BALANCING VALVE		EQUIVALENT	IG	ISOLATED GROUND
CCT	CORRELATED COLOR			IN	INCHES
	ERATURE	ES	END SWITCH	INV	INVERT
CKT	CIRCUIT	ESP	EXTERNAL STATIC PRESSURE	JBOX	JUNCTION BOX
CFH	CUBIC FEET PER HOUR	ET	EXPANSION TANK	K	KELVIN
CFM	CUBIC FEET PER MINUTE		ELECTRIC WATER COOLER	KW	KILOWATT
CHWR	CHILLED WATER RETURN		ENTERING WATER ERATURE	KVA	KILO VOLT - AMPS
CHWS	CHILLED WATER SUPPLY	EX	EXHAUST	L	LENGTH
CI	CAST IRON	EXPAN		LAT	LEAVING AIR TEMPERATURE
CL	CENTER LINE			LV	LAVATORY
CLG	CEILING	EXT	EXTERNAL DECREES EAUDENIJEIT	LB	POUND
CMU	CONCRETE MASONRY UNIT	F E^	DEGREES FAHRENHEIT	LD	LINEAR DIFFUSER
СО	CLEAN OUT	FA	FREE AREA	LF	LINEAR FEET
001	001118481	FC	FAN COIL UNIT		

FC FOOTCANDLE

FD FIRE DAMPER

FD FLOOR DRAIN

FLA FULL LOAD AMPS

FIN FINISHED

FLEX FLEXIBLE

FCV FLOW CONTROL VALVE

### SUBSTITUTIONS:

LRA LOCKED ROTOR AMPS

LWT LEAVING WATER TEMPERATURE

LIN LINEAR

LIQ LIQUID

LM LUMEN

LV LOUVER

LVG LEAVING

A. SUBSTITUTIONS: SUBSTITUTION OF SPECIFIED EQUIPMENT WILL BE ALLOWED THROUGH A PRIOR APPROVAL PROCESS INITIATED BY THE CONTRACTOR. CONTRACTOR SHALL SUBMIT INTENDED SUBSTITUTION AT LEAST FIVE DAYS PRIOR TO BID FOR APPROVAL FROM ENGINEER. SUBMITTAL SHALL INCLUDE CAPACITIES, DIMENSIONS AND OPERATING INSTRUCTIONS FOR EACH PIECE OF EQUIPMENT. SUBSTITUTION SHALL OCCUR AT NO COST TO THE OWNER. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF APPROVED SUBSTITUTION AND SHALL INCUR ALL COSTS ASSOCIATED WITH THE SUBSTITUTION INCLUDING STRUCTURAL MODIFICATIONS, SPACE LAYOUT AND REDESIGN COSTS. SEE ALSO DIVISION I GENERAL REQUIREMENTS.

### **EXAMINATION OF SITE, DRAWINGS, SPECIFICATIONS:**

A. EXAMINE CAREFULLY THE SITE AND CONDITIONS OF THE SITE. PROVIDE ALL NECESSARY EQUIPMENT AND LABOR TO INSTALL A COMPLETE WORKING SYSTEM WITHIN THE SITE CONDITIONS.

B. EXAMINE THE DRAWINGS AND SPECIFICATIONS AND 5 DAYS PRIOR TO BIDDING REPORT ANY ERRORS, OMISSIONS, INCONSISTENCIES, AND CONFLICTS TO THE ENGINEER TO BE REMEDIED IN AN ADDENDUM TO THE PROJECT PRIOR TO

C. DRAWINGS ARE DIAGRAMMATIC AND CATALOG NUMBERS GIVEN ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE CAPACITY OF THE FOUIPMENT MEETS THE DRAWING REQUIREMENTS AND SHALL NOT DIMENSION FROM THE MECHANICAL, PLUMBING, OR PIPING

D. THE LATEST ADOPTED VERSIONS OF THE INTERNATIONAL BUILDING CODES SHALL BE USED AS REQUIRED. THIS WILL ALSO INCLUDE THE LATEST ADOPTED VERSIONS OF THE MECHANICAL PLUMBING AND ENERGY CONSERVATION CODES ALL METHODS AND MATERIALS REQUIRED BY THESE CODES SHALL BE REQUIRED BY THESE SPECIFICATIONS UNLESS INDICATED OTHERWISE. OTHER APPLICABLE LOCAL CODES AND ORDINANCES SHALL BE AS REQUIRED AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BE KNOWLEDGEABLE OF THESE REQUIREMENTS.

E. WHERE INSTALLATION PROCEDURES OR ANY PART THEREOF ARE REQUIRED TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER OF THE MATERIAL BEING INSTALLED, PRINTED COPIES OF THESE RECOMMENDATIONS SHALL BE FURNISHED TO THE ENGINEER PRIOR TO INSTALLATION. INSTALLATION OF THE ITEM WILL NOT BE ALLOWED TO PROCEED UNTIL THE RECOMMENDATIONS ARE RECEIVED. FAILURE TO FURNISH THESE RECOMMENDATIONS CAN BE CAUSE FOR REJECTION OF THE MATERIAL.

MBH THOUSANDS OF BTU PER HOUR

MC MECHANICAL CONTRACTOR

MCA MINIMUM CIRCUIT AMPACITY

MCB MAIN CIRCUIT BREAKER

MDP MAIN DISTRIBUTION PANEL

MOCP MAXIMUM OVERCURRENT

MD MOTORIZED DAMPER

MFR MANUFACTURER

MISC MISCELLANEOUS

MUA MAKE-UP AIR UNIT

NC NORMALLY CLOSED

NIC NOT IN CONTRACT

NO NORMALLY OPEN

NTS NOT TO SCALE

OA OUTSIDE AIR

OC ON CENTER

OCC OCCUPIED

OL OVERLOAD

OZ OUNCE

PH PHASE

CONDITIONER

PV PLUG VALVE

QTY QUANTITY

RD ROOF DRAIN

REQD REQUIRED

RF RETURN FAN

RHC REHEAT COIL

RH RELATIVE HUMIDITY

RLA RATED LOAD AMPS

REL RELIEF

NL NIGHT / SECURITY LIGHT - DO

OBD OPPOSED BLADE DAMPER

OD OUTSIDE DIAMETER

PD PRESSURE DROP

POS POINT OF SALES

PS PRESSURE SWITCH

POS POSITIVE PRESSURE

ORD OVERFLOW ROOF DRAIN

PBD PARALLEL BLADE DAMPER

PRV PRESSURE REDUCING VALVE

PSI POUNDS PER SQUARE INCH

PT PRESSURE TRANSMITTER

PTAC PACKAGED TERMINAL AIR

RA RETURN AIR GRILLE / REGISTER

RCP REFLECTED CEILING PLAN

PVC POLYVINYL CHLORIDE

OCP OVER CURRENT PROTECTION

MLO MAIN LUG ONLY

MED MEDIUM

MIN MINIMUM

PROTECTION

MTD MOUNTED

N NEUTRAL

NEG NEGATIVE

NOT SWITCH

NOM NOMINAL

RM ROOM

RATING

RPM REVOLUTIONS PER MINUTE

SCA SHORT CIRCUIT AVAILABLE

SCCR SHORT CIRCUIT CURRENT

SC SHORT CIRCUIT

SD SMOKE DAMPER

SUPPLY FAN

SP STATIC PRESSURE

SPEC SPECIFICATION

SS STAINLESS STEEL

SS SAFETY SHOWER

SPD SURGE PROTECTION DEVICE

TR TRANSFER GRILLE / REGISTER

TT TEMPERATURE TRANSMITTER

UNO UNLESS NOTED OTHERWISE

VAV VARIABLE AIR VOLUME UNIT

VTR VENT THROUGH ROOF

VFD VARIABLE FREQUENCY DRIVE

VRF VARIABLE REFRIGERANT FLOW

SH SENSIBLE HEAT

SEF SMOKE EXHAUST FAN

SCH SCHEDULE

SH SHOWER

SQ SQUARE

STD STANDARD

STL STEEL

SYS SYSTEM

TYP TYPICAL

UR URINAL

VA VALVE

VOLT VOLTAGE

WATTS

WITH

W/O WITHOUT

WB WET BULB

WC WATER COLUMN

WC WATER CLOSET

WG WATER GAUGE

WP WEATHERPROOF

XFMR TRANSFORMER

WPIU WEATHERPROOF IN-USE

WSR WITHSTAND RATING

W WIDTH

TEMP TEMPERATURE

TR TAMPER RESISTANT

TERMINAL BACKBOARD

TX TRANSFORMER

UH UNIT HEATER

VOLTS

VA VOLT AMPERE

UC UNDERCUT DOOR

UNOCC UNOCCUPIED

TTB TELECOMMUNICATIONS

SA SUPPLY AIR GRILLE / REGISTER

# chamberlin

437 Main Street Grand Junction, CO 81501 970.242.6804

chamberlinarchitects.com

# **OLD PALISADE**

711 IOWA AVENUE PALISADE, COLORADO

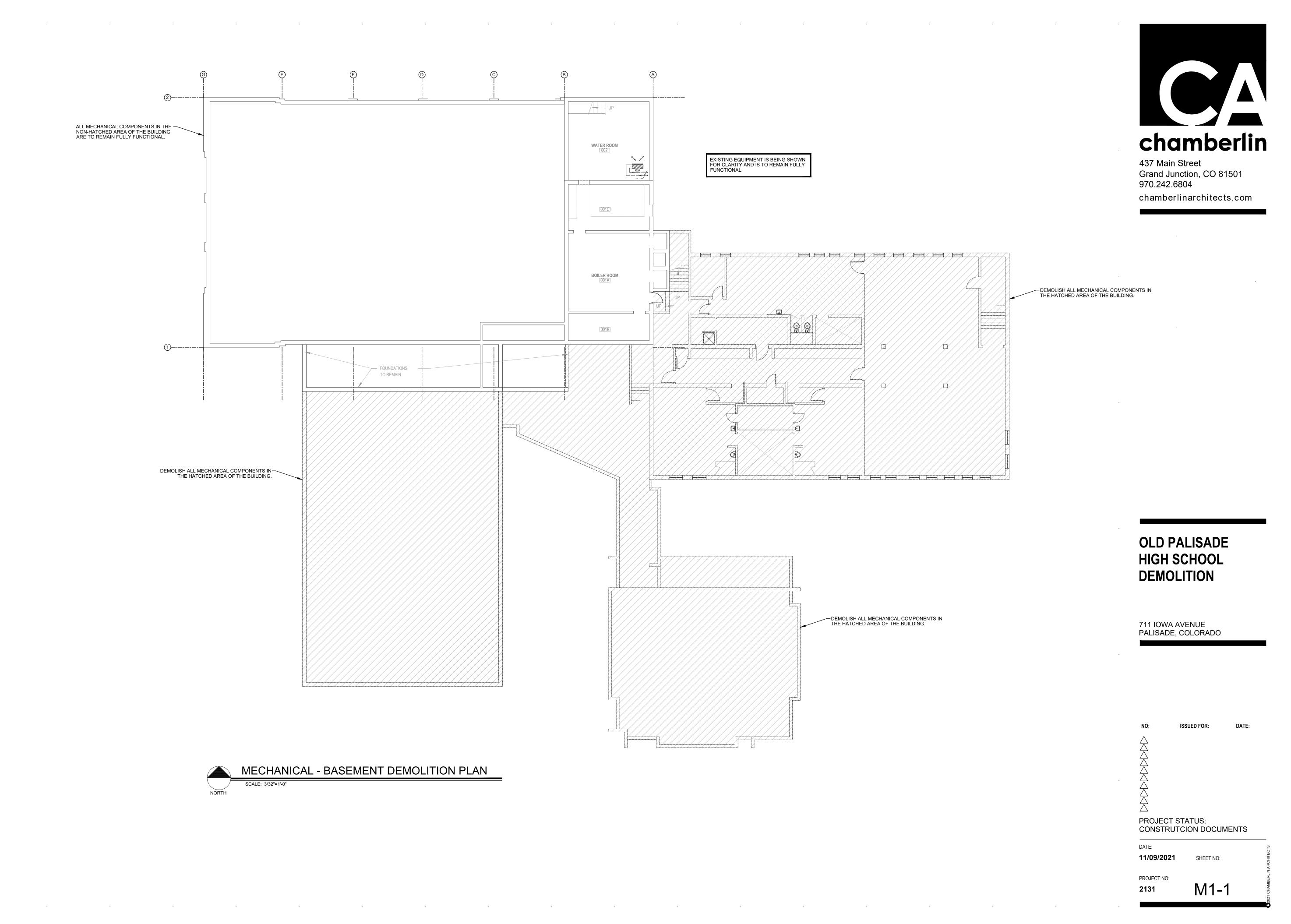
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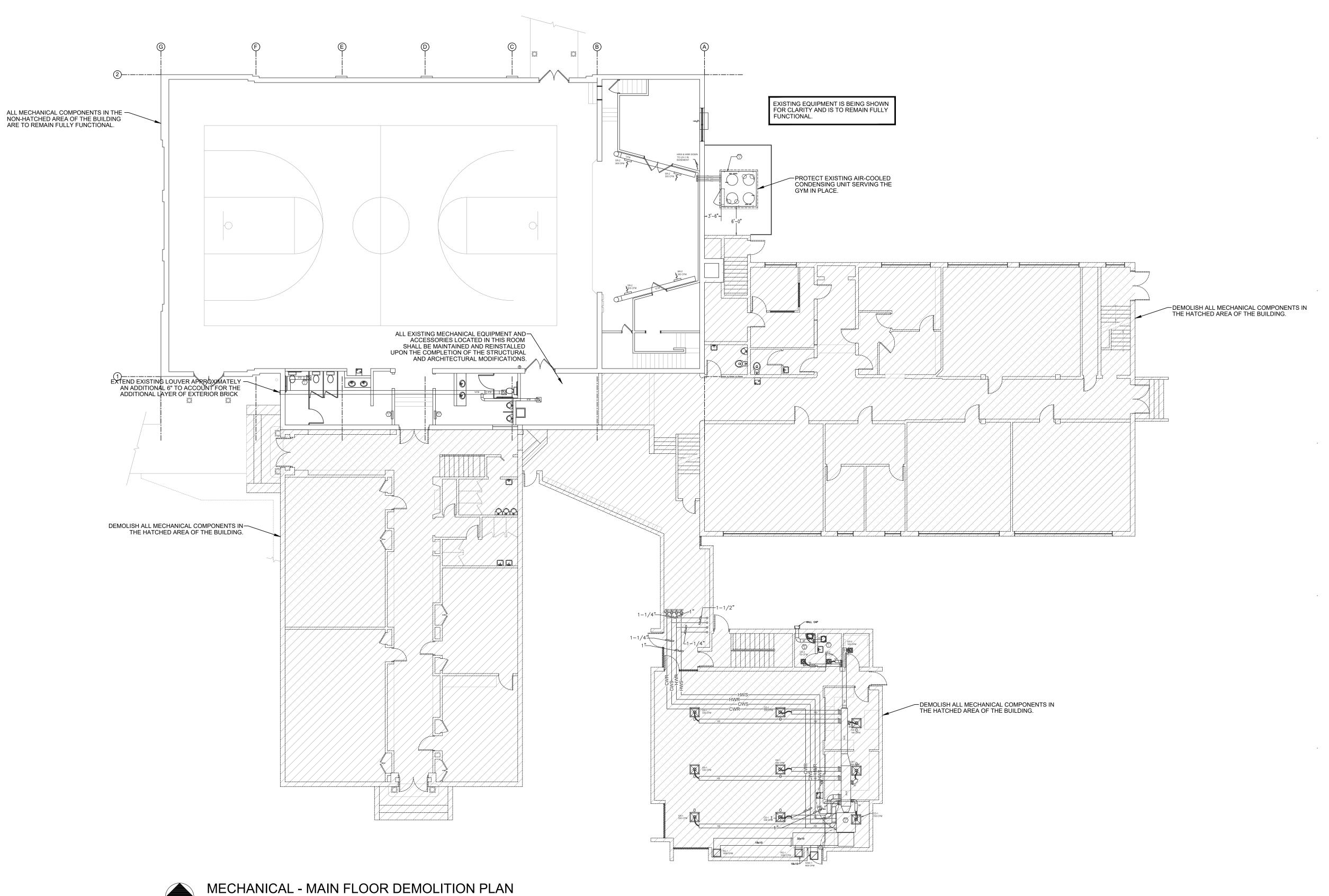
PROJECT STATUS: **CONSTRUTCION DOCUMENTS** 

DATE:

11/09/2021 SHEET NO:

PROJECT NO:





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# **OLD PALISADE** HIGH SCHOOL **DEMOLITION**

711 IOWA AVENUE PALISADE, COLORADO

PROJECT STATUS:

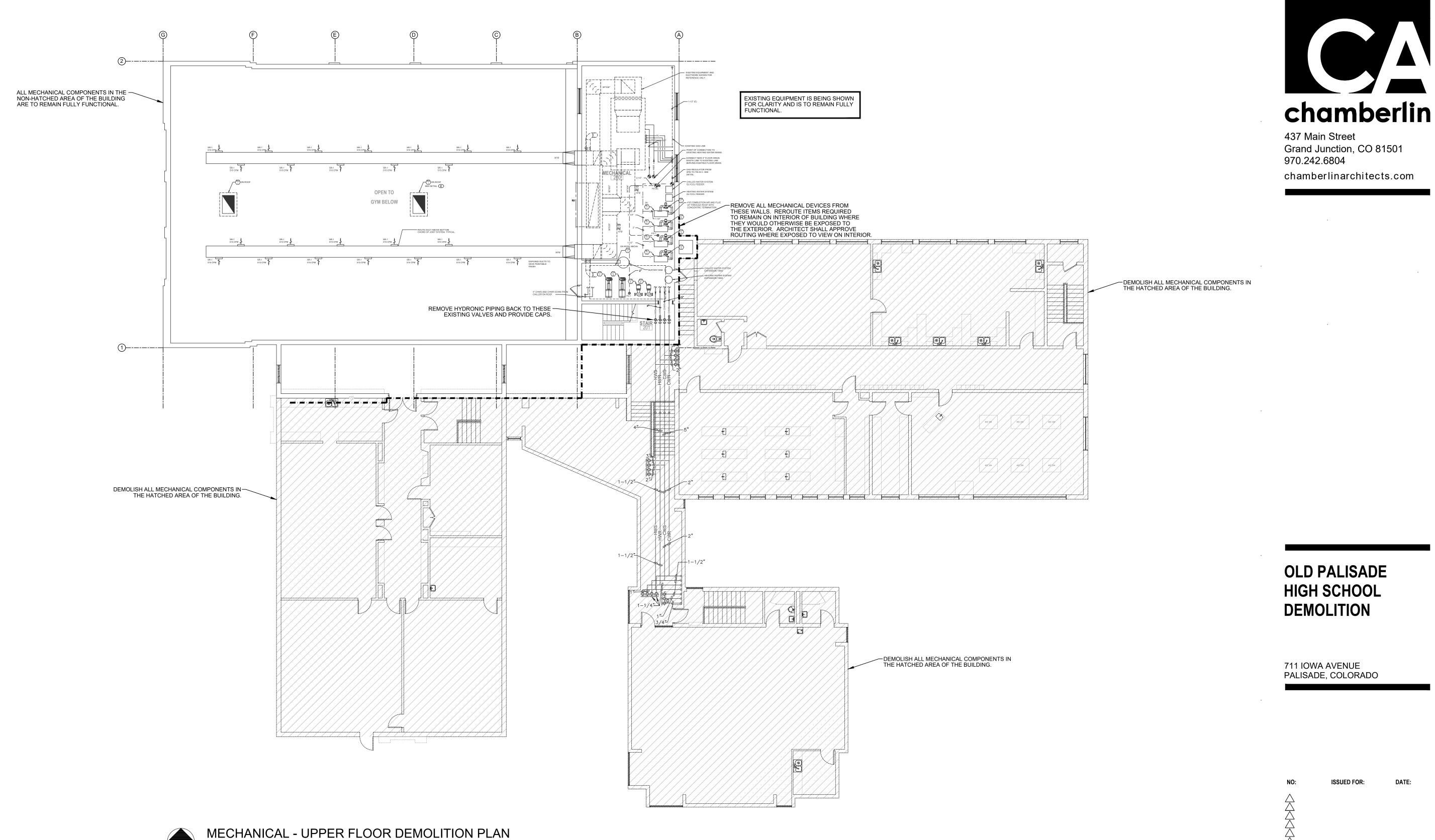
CONSTRUTCION DOCUMENTS

DATE:

11/09/2021 SHEET NO:

PROJECT NO:

M1-2



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**OLD PALISADE** 

**DEMOLITION** 

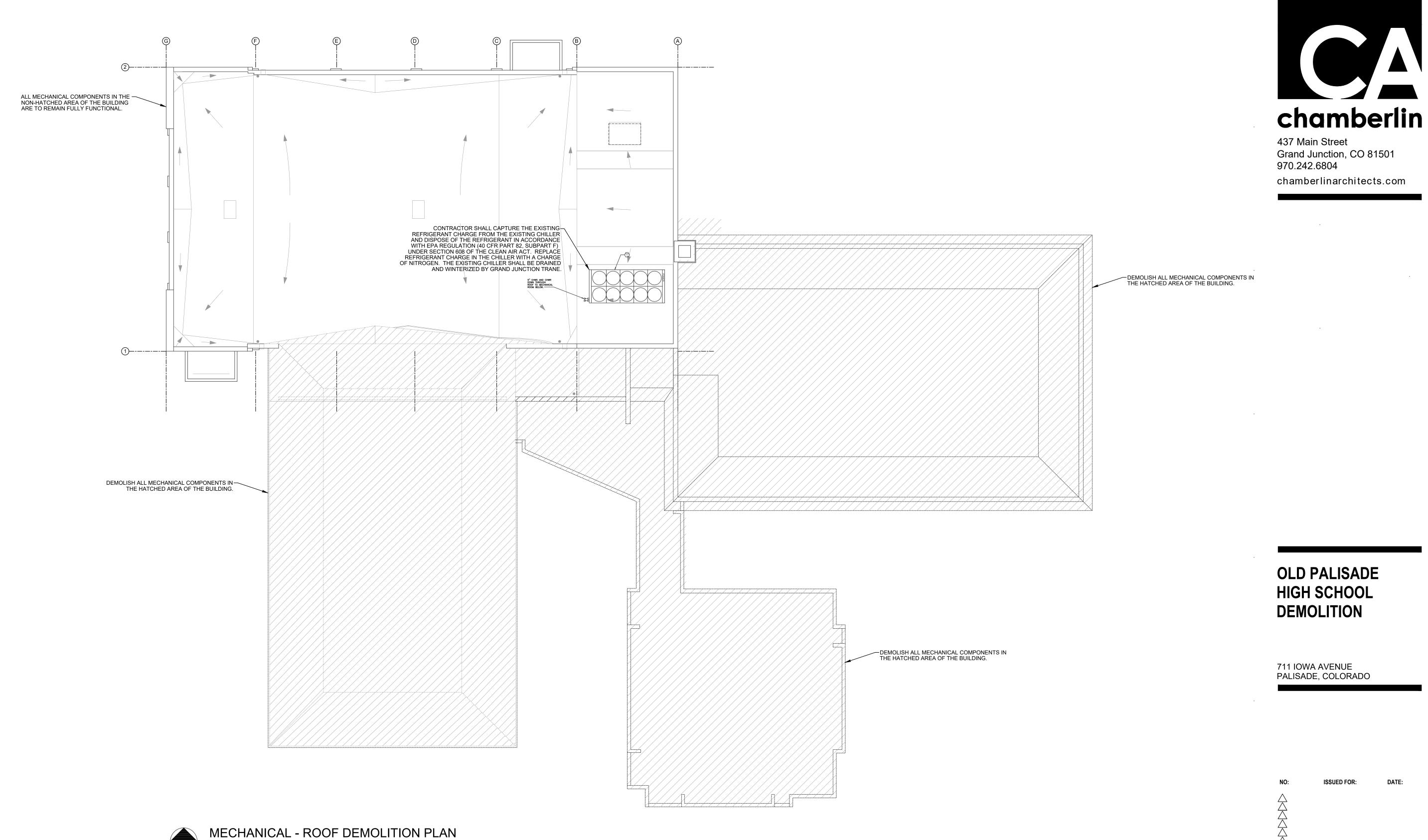
PROJECT STATUS: CONSTRUTCION DOCUMENTS

DATE:

11/09/2021 SHEET NO:

PROJECT NO:

M1-3



**OLD PALISADE** HIGH SCHOOL **DEMOLITION** 

711 IOWA AVENUE PALISADE, COLORADO

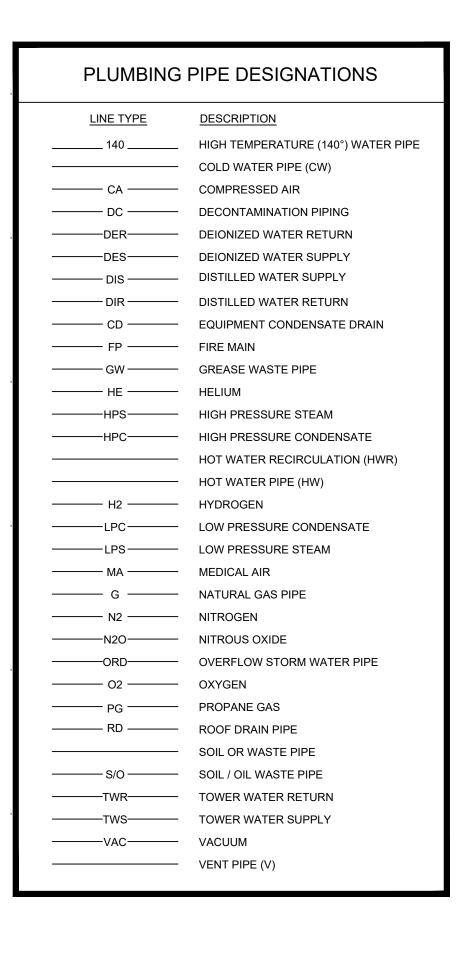
PROJECT STATUS: CONSTRUTCION DOCUMENTS

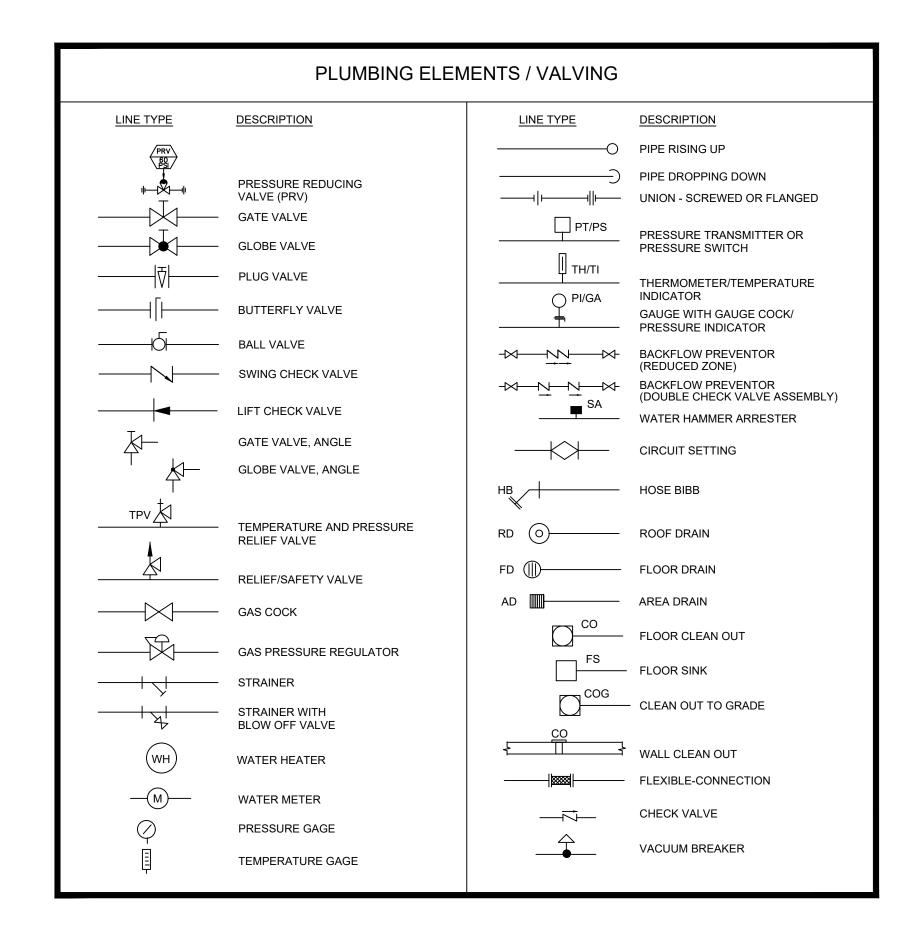
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11/09/2021 SHEET NO:

PROJECT NO:

M1-4





# PLUMBING SPECIFICATION

1. SCOPE OF WORK

A. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIALS, AND LABOR TO SATISFY A COMPLETE WORKING SYSTEM WHETHER SPECIFIED OR IMPLIED.

B. ALL WORK IS TO BE PREFORMED IN STRICT COMPLIANCE WITH THE INTERNATIONAL PLUMBING CODE (LATEST EDITION), ALL LOCAL CODES AND ALL OTHER REGULATION GOVERNING WORK OF THIS NATURE.

C. THE CONTRACTOR SHALL, BEFORE SUBMITTING ANY PROPOSAL, EXAMINE THE PROPOSED SITE AND SHALL DETERMINE FOR HIMSELF THE CONDITIONS THAT MAY AFFECT THE WORK. NO ALLOWANCE SHALL BE MADE IF THE CONTRACTOR FAILS TO MAKE SUCH EXAMINATIONS.

D. ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED AS EQUAL" BY THE ENGINEER OR ARCHITECT.

2. PERMITS

A. THE CONTRACTOR SHALL SECURE ALL PERMITS OR APPLICATIONS AND PAY

3. SHOP DRAWINGS

A. SUBMIT MATERIAL LIST AND SHOP DRAWINGS FOR MAJOR EQUIPMENT TO THE ARCHITECT/ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL SUBMIT FIVE SETS OF SHOP DRAWINGS AND THEY SHALL BE CLEARLY LABELED.

4. DOMESTIC WATER SUPPLY PIPING

A. UNDERGROUND: PROVIDE TYPE "K" SOFT DRAWN COPPER TUBING WITH BRAZED CONNECTIONS.

B. ABOVE GROUND: PROVIDE TYPE "L" HARD DRAWN COPPER TUBING WITH 125 PSI SOLDER JOINTS, COPPER OR BRASS FITTINGS. ALL SOLDER TO BE "NO LEAD"

C. ALL HOT WATER PIPING TO BE INSULATED WITH 1" FIBERGLASS INSULATION.

D. ALL COLD WATER PIPING TO BE INSULATED WITH <sup>1</sup>/<sub>2</sub>" FOAM INSULATION.

5. SANITARY/STORM DRAINAGE AND VENT PIPING

A. ABOVE GRADE:

-2" BELOW: SCHEDULE 40 GALV. STEEL PIPE WITH SCREWED ENDS OR SOLID CORE SCHEDULE 40 PVC WITH SOLVENT JOINTS OR DWV COPPER WITH SOLDER JOINTS. ALL SOLDER TO BE "NO LEAD" TYPE.

-3" AND ABOVE: SERVICE WT. CAST IRON WITH NO-HUB OR BELL AND SPIGOT JOINTS; OR SOLID CORE SCHEDULE 40 PVC WITH SOLVENT JOINTS.

B. BELOW GRADE: SERVICE WT. CAST IRON WITH NO-HUB OR BELL AND SPIGOT JOINTS; OR SOLID CORE SCHEDULE 40 PVC WITH SOLVENT JOINTS.

C. PVC PIPING SHALL NOT BE USED IN AIR PLENUM CEILINGS AND SHALL NOT CROSS FIRE RATED WALLS, CEILINGS, OR FLOORS.

D. DRAINAGE PIPING SHALL BE RUN AS STRAIGHT AS POSSIBLE AND SHALL HAVE LONG TURN FITTINGS.

E. DRAINAGE PIPING 3" SIZE AND SMALLER SHALL RUN AT A UNIFORM GRADE OF AT LEAST  $\frac{1}{4}$ " PER FOOT. AND PIPING LARGER THAN 3" SHALL BE RUN AT A GRADE OF NO LESS THAN  $\frac{1}{8}$ " PER FOOT.

F. ALL VENT PIPING SHALL BE SLOPED TO DRAIN BACK TO FIXTURES.

G. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FLASHING OF THE VENT PIPING RUN THROUGH THE ROOF.

H. PVC USED TO BE SOLID CORE TYPE SCHEDULE 40 PVC.

7. PIPE SUPPORTS

A. ABOVE GRADE: ALL PIPE SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE IN A NEAT AND WORKMANLIKE MANNER. THE USE OF WIRE AND PERFORATED METAL TO SUPPORT PIPES WILL NOT BE PERMITTED. SPACING OF PIPE SUPPORTS SHALL BE A S SPECIFIED IN INTERNATIONAL PLUMBING CODE (LATEST EDITION).

B. BELOW GRADE: EARTH SHALL BE EXCAVATED TO A MINIMUM DEPTH WITH AN EVEN SURFACE TO INSURE SOLID BEARING OF PIPE FOR ITS ENTIRE LENGTH.

-INTERIOR: THE PIPE SHALL BE INSTALLED (UNLESS OTHERWISE SPECIFIED) A MINIMUM OF 4 INCHES BELOW THE BOTTOM OF THE SLAB AND SHALL NOT BE IN ANY DIRECT CONTACT WITH THE CONCRETE AT ANY POINT.

-EXTERIOR: THE WATER PIPE SHALL HAVE A MINIMUM OF 60" OF COVER AND THE SANITARY WASTE PIPE SHALL HAVE A MINIMUM OF 24" OF COVER.

8. MISCELLANEOUS

A. COORDINATE INSTALLATION OF ALL ROOFS FLASHING AT ROOF PENETRATIONS.

PENETRATIONS.

B. DO NOT SCALE THIS DRAWING FOR EXACT DIMENSIONS. VERIFY ALL FIGURES, CONDITIONS AND DIMENSIONS AT THE JOB SITE.

C. THE PLUMBING PLANS ARE INTENDED TO BE DIAGRAMMATIC AND ARE BASED ON ONE MANUFACTURER'S EQUIPMENT. THEY ARE NOT INTENDED TO SHOW EVERY ITEM IN ITS EXACT LOCATION. THE EXACT DIMENSIONS OR ALL THE DETAILS OF THE EQUIPMENT. THE CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS OF THE EQUIPMENT PROPOSED TO ENSURE THAT THE EQUIPMENT WILL FIT THE AVAILABLE SPACE.

. TESTING

A. PLUMBING SYSTEM SHALL BE FLOW AND PRESSURE TESTED IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE (LATEST EDITION).

10 GUARANTEE

A. MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AT THIS CONTRACTORS EXPENSE.

B. FOR THE SAME PERIOD THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PREMISES CAUSED BY DEFECTS IN WORKMANSHIP OR IN THE WORK OR EQUIPMENT FURNISHED AND/OR INSTALLED BY THEM.

### RESPONSIBLE DIVISION:

UNLESS OTHERWISE INDICATED ALL HEATING, VENTILATING, AIR CONDITIONING, PLUMBING, AND OTHER MECHANICAL EQUIPMENT, MOTORS, AND CONTROLS SHALL BE FURNISHED, SET IN PLACE AND WIRED AS FOLLOWS:

ITEM	FURNISHED	SET	POWER WIRED	CONTROL WIRED
EQUIPMENT	23	23	26	
COMBINATION MAGNETIC MOTOR STARTERS, MAGNETIC MOTOR STARTERS, VFD'S AND CONTACTORS	23(1)	26	26(2)	23
FUSED AND UNFUSED DISCONNECT SWITCHES, THERMAL OVERLOAD SWITCHES AND HEATERS, MANUAL MOTOR STARTERS	26	26	26	
MANUAL-OPERATING AND MULTI-SPEED SWITCHES	23	26	26	26
CONTROLS, RELAYS, TRANSFORMERS	23	23	26	23
THERMOSTATS (LOW VOLTAGE) AND TIME SWITCHES	23	23	26	23
THERMOSTATS (LINE VOLTAGE)	23	23	26	26
TEMPERATURE CONTROL PANELS	23	23	26	23
MOTOR AND SOLENOID VALVES, DAMPER MOTORS, PE & EP SWITCHES	23	23(2)		23(2)
PUSH-BUTTON STATIONS AND PILOT LIGHTS	23	23(2)		23(2)
HEATING, COOLING, VENTILATION AND AIR CONDITIONING CONTROLS	23	23	26	23
EXHAUST FAN SWITCHES	23	26	26	23(2)

### SUBSCRIPT FOOTNOTES:

ABBREVIATIONS:

A.D. ACCESS DOOR

A AMPS

ABV ABOVE

CAPACITY

44" MOUNTING HEIGHT ABOVE

AAV AIR ADMITTANCE VALVE

AC AIR CONDITIONING UNIT

AD AREA DRAIN (SEE SYMBOLS)

A.F.C. ABOVE FINISHED CEILING

A.F.G. ABOVE FINISHED GRADE

AIC AMPERE INTERRUPTING

A.F.F. ABOVE FINISHED FLOOR

AP ACCESS PANEL OR DOOR

AWG AMERICAN WIRE GAGE

BD BACK DRAFT DAMPER

BFP BACK FLOW PREVENTOR

BASEBOARD

BOB BOTTOM OF BEAM

BOD BOTTOM OF DUCT

BOP BOTTOM OF PIPE

BTU BRITISH THERMAL UNIT

CBV CIRCUIT BALANCING VALVE

BSMT BASEMENT

CAP CAPACITY

TEMPERATURE

CKT CIRCUIT

CI CAST IRON

CL CENTER LINE

CO CLEAN OUT

COMP COMPRESSOR

COND CONDENSATE

CONN CONNECTION

CONT CONTINUATION

CONTR CONTRACTOR

CONC CONCRETE

COL COLUMN

CLG CEILING

CHILLER

CB CIRCUIT BREAKER

CCT CORRELATED COLOR

CFH CUBIC FEET PER HOUR

CFM CUBIC FEET PER MINUTE

CHWR CHILLED WATER RETURN

CHWS CHILLED WATER SUPPLY

CMU CONCRETE MASONRY UNIT

ATS AUTOMATIC TRANSFER SWITCH

BAS BUILDING AUTOMATION SYSTEM

AHU AIR HANDLING UNIT

ALUM ALUMINUM

AV AUDIO / VIDEO

AVG AVERAGE

BL BOILER

BLW BELOW

BLDG BUILDING

AC ABOVE COUNTER

FINISHED FLOOR TO CENTER OF DEVICE

 MOTOR STARTER TO INCLUDE CONTROL TRANSFORMER, HOA SWITCH, (1) NO AND (1)NC AUXILIARY CONTACT, AND "ON" AND "OFF" PILOT LIGHTS.

2. IF ITEM IS FOR LINE VOLTAGE, SET IN PLACE AND CONNECT UNDER DIVISION 26. WHERE FACTORY MOUNTED ON EQUIPMENT OR ATTACHED TO PIPING OR DUCTS AND USING LINE VOLTAGE FURNISH AND SET UNDER DIVISION 23, CONNECT UNDER DIVISION 26.

CRI COLOR RENDERING INDEX

CT CURRENT TRANSFORMER

CUH CABINET UNIT HEATER

CVB CONSTANT VOLUME BOX

CWR CONDENSER WATER RETURN

CWS CONDENSER WATER SUPPLY

CT COOLING TOWER

CU CONDENSING UNIT

CU COPPER

DB DRY BULB

DIA DIAMETER

DIAG DIAGRAM

DEPT DEPARTMENT

DIFF DIFFERENTIAL

DS DUCT SILENCER

DX DIRECT EXPANSION

EA EXHAUST AIR GRILLE/REGISTER

EAT ENTERING AIR TEMPERATURE

FC FLECTRICAL CONTRACTOR

EM EMERGENCY FUNCTION

EMT ELECTRIC METALLIC TUBE

ESP EXTERNAL STATIC PRESSURE

EWC ELECTRIC WATER COOLER

DEGREES FAHRENHEIT

FCV FLOW CONTROL VALVE

DISCH DISCHARGE

DIV DIVISION

DWG DRAWING

(A) FXISTING

ECC ECCENTRIC

EFF EFFICIENCY

EL ELEVATION

ELEC ELECTRIC

ELEV ELEVATOR

ENT ENTERING

**EQUIP EQUIPMENT** 

**EQUIV EQUIVALENT** 

ES END SWITCH

ET EXPANSION TANK

EWT ENTERING WATER

EXPAN EXPANSION

TEMPERATURE

EX EXHAUST

EXT EXTERNAL

FA FREE AREA

FC FAN COIL UNIT

FC FOOTCANDLE

FD FIRE DAMPER

FD FLOOR DRAIN

FLA FULL LOAD AMPS

FIN FINISHED

FLEX FLEXIBLE

EQ EQUAL

EF EXHAUST FAN

DN DOWN

DF DRINKING FOUNTAIN

FLR FLOOR

FOB FLAT ON BOTTOM

FP FIRE PROTECTION

FPM FEET PER MINUTE

FPS FEET PER SECOND

FSD FIRE/SMOKE DAMPER

FXC FLEXIBLE CONNECTION

GEC GROUND ELECTRODE

GFCI / GFI GROUND FAULT CIRCUIT

GC GENERAL CONTRACTOR

GPH GALLONS PER HOUR

GPM GALLONS PER MINUTE

GRS/LB GRAINS PER POUND

HD HEAD (SEE SCHEDULES)

HWR HEATING WATER RETURN

HWS HEATING WATER SUPPLY

HX HEAT EXCHANGER

ID INSIDE DIAMETER

JBOX JUNCTION BOX

KVA KILO VOLT - AMPS

LD LINEAR DIFFUSER

LRA LOCKED ROTOR AMPS

LWT LEAVING WATER TEMPERATURE

LF LINEAR FEET

LAT LEAVING AIR TEMPERATURE

IG ISOLATED GROUND

FS FLOW SWITCH

FT FEET

GND GROUND

GA GAUGE

CONDUCTOR

INTERRUPTER

H 2O WATER

HR HOUR

HT HEIGHT

HTR HEATER

HZ HERTZ

IN INCHES

INV INVERT

K KELVIN

KW KILOWATT

L LENGTH

LV LAVATORY

LB POUND

LIN LINEAR

LIQ LIQUID

LM LUMEN

LV LOUVER

LVG LEAVING

HB HOSE BIBB

HP HEAT PUMP

HP HORSEPOWER

GAL GALLON

GALV GALVANIZED

FOT FLAT ON TOP

FP FIRE PUMP

### SUBSTITUTIONS:

A. SUBSTITUTIONS: SUBSTITUTION OF SPECIFIED EQUIPMENT WILL BE ALLOWED THROUGH A PRIOR APPROVAL PROCESS INITIATED BY THE CONTRACTOR. CONTRACTOR SHALL SUBMIT INTENDED SUBSTITUTION AT LEAST FIVE DAYS PRIOR TO BID FOR APPROVAL FROM ENGINEER. SUBMITTAL SHALL INCLUDE CAPACITIES, DIMENSIONS AND OPERATING INSTRUCTIONS FOR EACH PIECE OF EQUIPMENT. SUBSTITUTION SHALL OCCUR AT NO COST TO THE OWNER. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF APPROVED SUBSTITUTION AND SHALL INCUR ALL COSTS ASSOCIATED WITH THE SUBSTITUTION INCLUDING STRUCTURAL MODIFICATIONS, SPACE LAYOUT AND REDESIGN COSTS. SEE ALSO DIVISION I GENERAL REQUIREMENTS.

EXAMINATION OF SITE, DRAWINGS, SPECIFICATIONS:

A. EXAMINE CAREFULLY THE SITE AND CONDITIONS OF THE SITE. PROVIDE ALL NECESSARY EQUIPMENT AND LABOR TO INSTALL A COMPLETE WORKING SYSTEM WITHIN THE SITE CONDITIONS.

B. EXAMINE THE DRAWINGS AND SPECIFICATIONS AND 5 DAYS PRIOR TO BIDDING REPORT ANY ERRORS, OMISSIONS, INCONSISTENCIES, AND CONFLICTS TO THE ENGINEER TO BE REMEDIED IN AN ADDENDUM TO THE PROJECT PRIOR TO BID TIME.

C. DRAWINGS ARE DIAGRAMMATIC AND CATALOG NUMBERS GIVEN ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE CAPACITY OF THE EQUIPMENT MEETS THE DRAWING REQUIREMENTS AND SHALL NOT DIMENSION FROM THE MECHANICAL, PLUMBING, OR PIPING

D. THE LATEST ADOPTED VERSIONS OF THE INTERNATIONAL BUILDING CODES SHALL BE USED AS REQUIRED. THIS WILL ALSO INCLUDE THE LATEST ADOPTED VERSIONS OF THE MECHANICAL, PLUMBING AND ENERGY CONSERVATION CODES. ALL METHODS AND MATERIALS REQUIRED BY THESE CODES SHALL BE REQUIRED BY THESE SPECIFICATIONS UNLESS INDICATED OTHERWISE. OTHER APPLICABLE LOCAL CODES AND ORDINANCES SHALL BE AS REQUIRED AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BE KNOWLEDGEABLE OF THESE REQUIREMENTS.

E. WHERE INSTALLATION PROCEDURES OR ANY PART THEREOF ARE REQUIRED TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER OF THE MATERIAL BEING INSTALLED, PRINTED COPIES OF THESE RECOMMENDATIONS SHALL BE FURNISHED TO THE ENGINEER PRIOR TO INSTALLATION. INSTALLATION OF THE ITEM WILL NOT BE ALLOWED TO PROCEED UNTIL THE RECOMMENDATIONS ARE RECEIVED. FAILURE TO FURNISH THESE RECOMMENDATIONS CAN BE CAUSE FOR REJECTION OF THE MATERIAL.

MBH THOUSANDS OF BTU PER HOUR

MC MECHANICAL CONTRACTOR

MCB MAIN CIRCUIT BREAKER

MDP MAIN DISTRIBUTION PANEL

MOCP MAXIMUM OVERCURRENT

MD MOTORIZED DAMPER

MFR MANUFACTURER

MISC MISCELLANEOUS

MUA MAKE-UP AIR UNIT

NC NORMALLY CLOSED

NIC NOT IN CONTRACT

NO NORMALLY OPEN

NTS NOT TO SCALE

OA OUTSIDE AIR

OC ON CENTER

OCC OCCUPIED

OL OVERLOAD

OZ OUNCE

PH PHASE

CONDITIONER

PV PLUG VALVE

QTY QUANTITY

RD ROOF DRAIN

REQD REQUIRED

RF RETURN FAN

RHC REHEAT COIL

RLA RATED LOAD AMPS

REL RELIEF

OD OUTSIDE DIAMETER

PD PRESSURE DROP

POS POINT OF SALES

POS POSITIVE PRESSURE

PS PRESSURE SWITCH

ORD OVERFLOW ROOF DRAIN

PBD PARALLEL BLADE DAMPER

PRV PRESSURE REDUCING VALVE

PSI POUNDS PER SQUARE INCH

PTAC PACKAGED TERMINAL AIR

RA RETURN AIR GRILLE / REGISTER

RCP REFLECTED CEILING PLAN

RELATIVE HUMIDITY

PT PRESSURE TRANSMITTER

PVC POLYVINYL CHLORIDE

NL NIGHT / SECURITY LIGHT - DO

OBD OPPOSED BLADE DAMPER

OCP OVER CURRENT PROTECTION

MLO MAIN LUG ONLY

MED MEDIUM

MIN MINIMUM

PROTECTION

MTD MOUNTED

N NEUTRAL

NEG NEGATIVE

NOT SWITCH

NOM NOMINAL

MCA MINIMUM CIRCUIT AMPACITY

RM ROOM

RATING

SC SHORT CIRCUIT

SCH SCHEDULE

SF SUPPLY FAN

SH SHOWER

SQ SQUARE

STD STANDARD

STL STEEL

SYS SYSTEM

TEMP TEMPERATURE

TR TAMPER RESISTANT

TERMINAL BACKBOARD

TX TRANSFORMER

UH UNIT HEATER

VA VOLT AMPERE

UC UNDERCUT DOOR

UNOCC UNOCCUPIED

TYP TYPICAL

UR URINAL

V VOLTS

VA VALVE

VOLT VOLTAGE

W WIDTH

W WATTS

WITH

W/O WITHOUT

WB WET BULB

WC WATER COLUMN

WC WATER CLOSET

WG WATER GAUGE

XFMR TRANSFORMER

WP WEATHERPROOF

WPIU WEATHERPROOF IN-USE

WSR WITHSTAND RATING

W/

TTB TELECOMMUNICATIONS

SH SENSIBLE HEAT

SPEC SPECIFICATION

SS STAINLESS STEEL

SS SAFETY SHOWER

SP STATIC PRESSURE

SPD SURGE PROTECTION DEVICE

TR TRANSFER GRILLE / REGISTER

TT TEMPERATURE TRANSMITTER

UNO UNLESS NOTED OTHERWISE

VAV VARIABLE AIR VOLUME UNIT

VTR VENT THROUGH ROOF

VFD VARIABLE FREQUENCY DRIVE

VRF VARIABLE REFRIGERANT FLOW

SD SMOKE DAMPER

SEF SMOKE EXHAUST FAN

RPM REVOLUTIONS PER MINUTE

SCA SHORT CIRCUIT AVAILABLE

SCCR SHORT CIRCUIT CURRENT

SA SUPPLY AIR GRILLE / REGISTER

# chamberlin

437 Main Street Grand Junction, CO 81501 970.242.6804

chamberlinarchitects.com

# OLD PALISADE HIGH SCHOOL

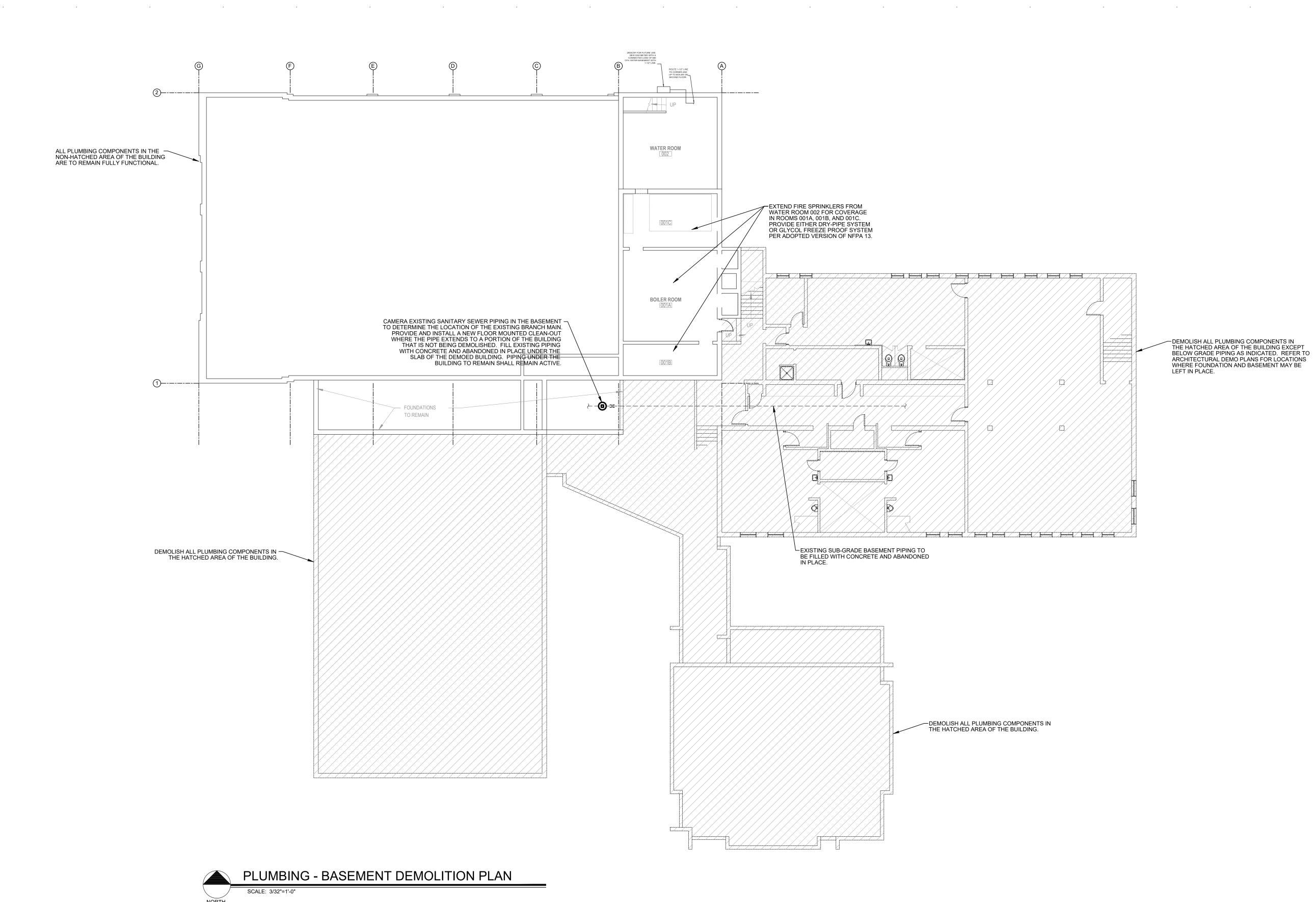
711 IOWA AVENUE PALISADE, COLORADO

NO:	SSUED FOR:	DATE:
PROJECT ST	TATUS: CION DOCUME	NTS

DATE: 11/09/2021 SHEET NO:

PROJECT NO:

P0-1





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# **OLD PALISADE** HIGH SCHOOL **DEMOLITION**

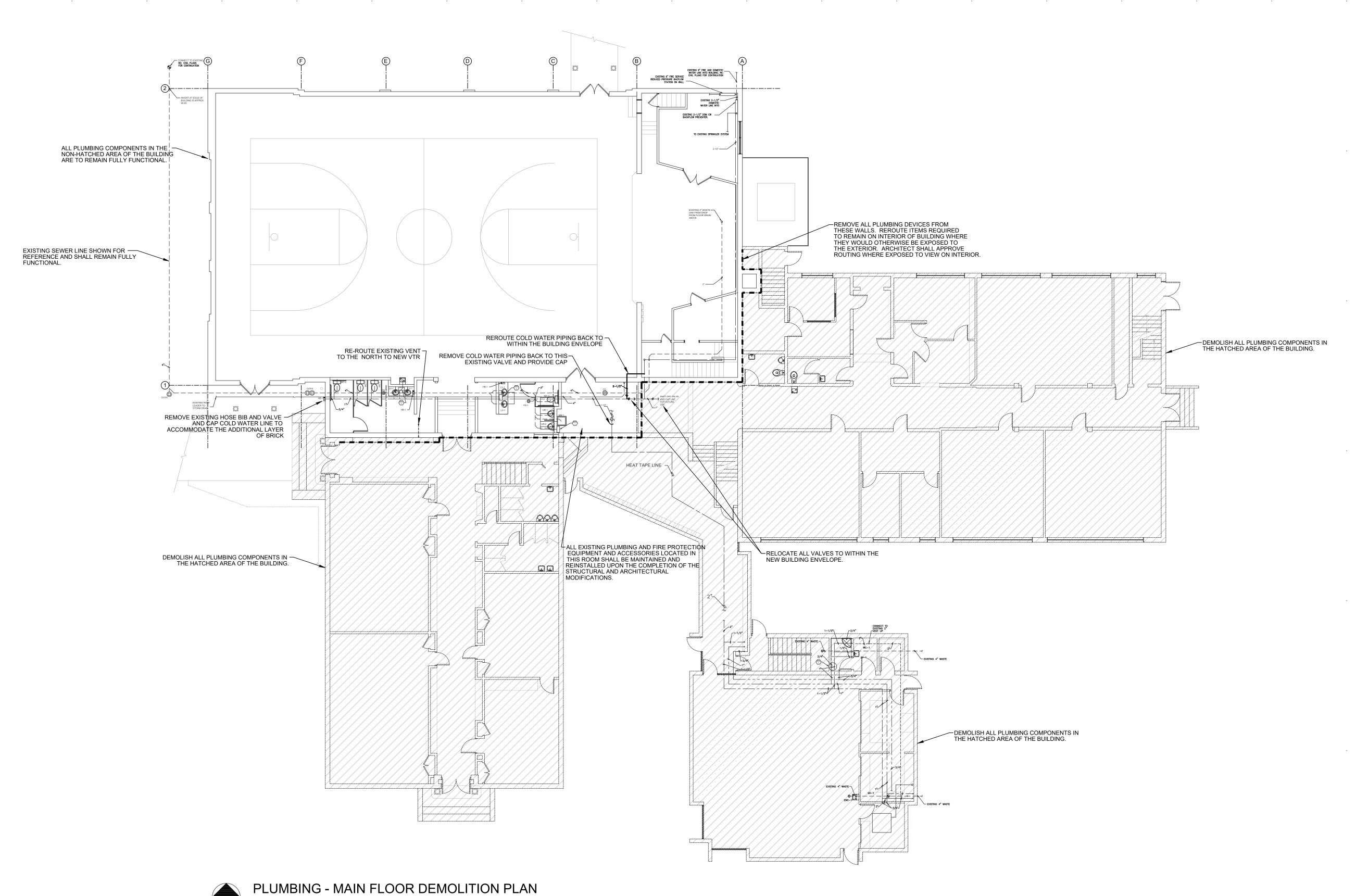
711 IOWA AVENUE PALISADE, COLORADO

PROJECT STATUS: CONSTRUTCION DOCUMENTS

DATE:

11/09/2021 SHEET NO:

PROJECT NO:



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# OLD PALISADE HIGH SCHOOL DEMOLITION

711 IOWA AVENUE PALISADE, COLORADO

NO: ISSUED FOR: DATE:

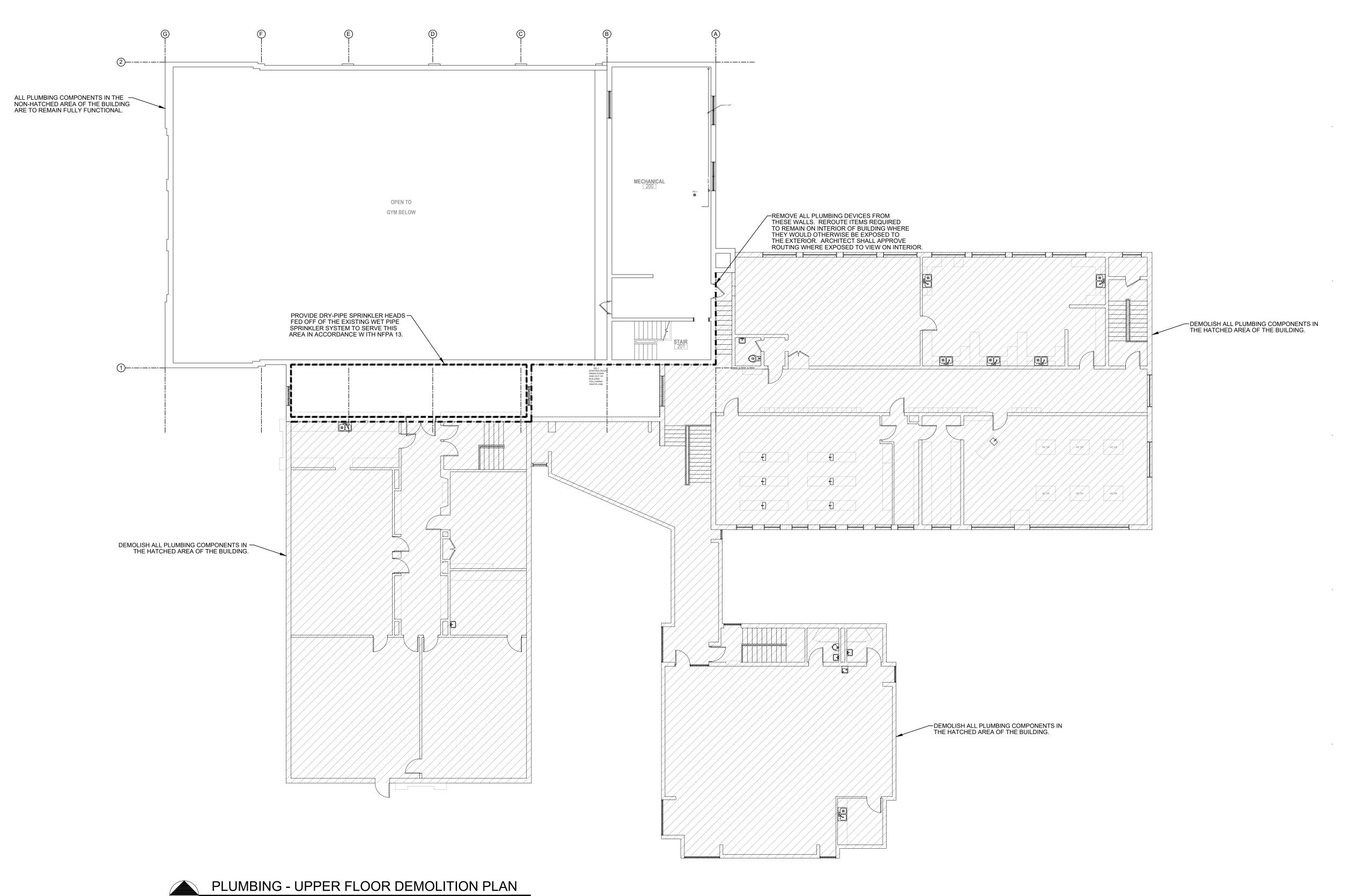
PROJECT STATUS: CONSTRUTCION DOCUMENTS

DATE:

**11/09/2021** SHEET NO:

PROJECT NO:

P1-2





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# OLD PALISADE HIGH SCHOOL DEMOLITION

711 IOWA AVENUE PALISADE, COLORADO

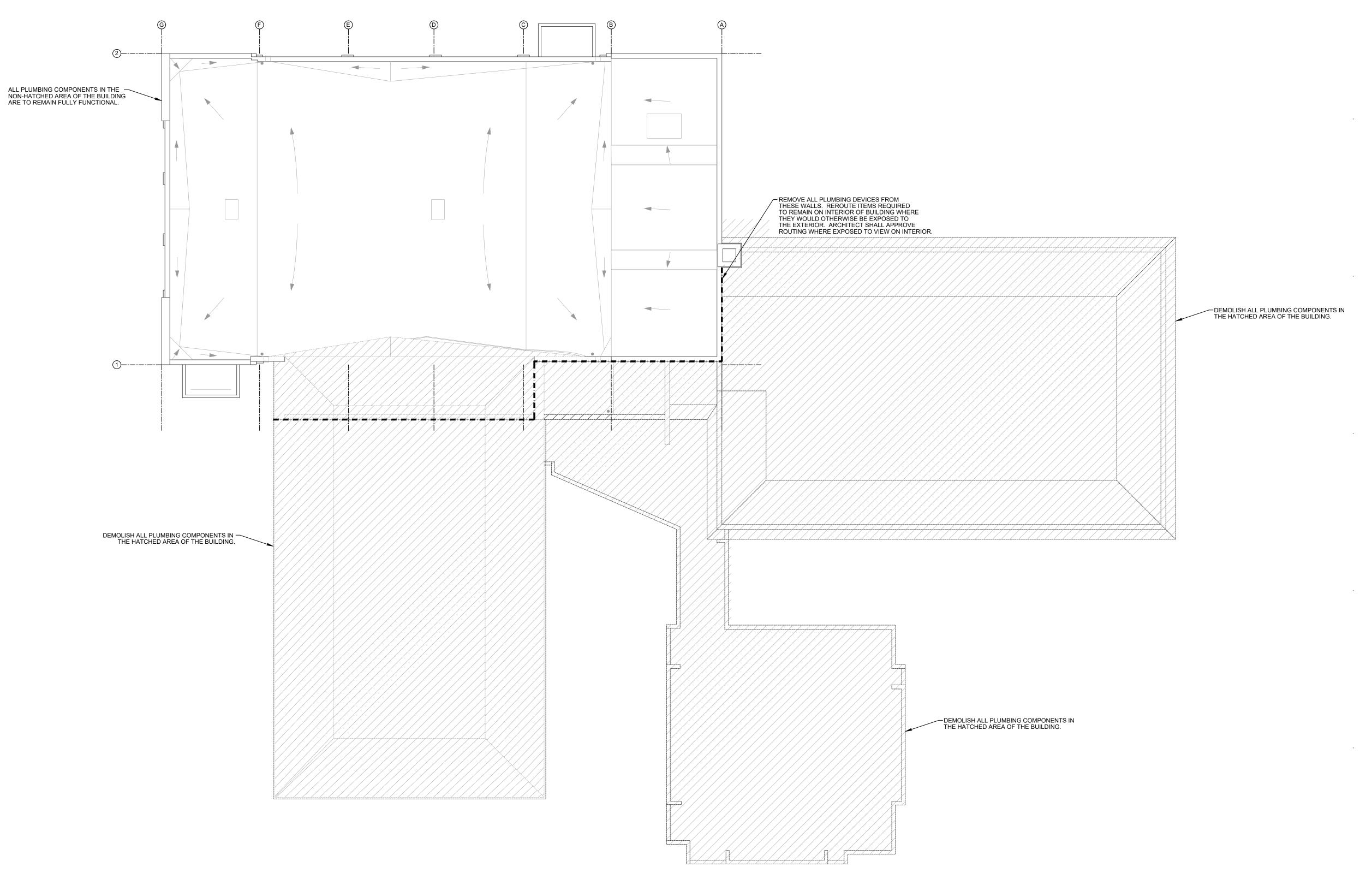
PROJECT STATUS: CONSTRUTCION DOCUMENTS

DATE:

**11/09/2021** SHEET NO:

PROJECT NO:

P1-3



PLUMBING - ROOF DEMOLITION PLAN

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# **OLD PALISADE** HIGH SCHOOL **DEMOLITION**

711 IOWA AVENUE PALISADE, COLORADO

PROJECT STATUS: CONSTRUTCION DOCUMENTS

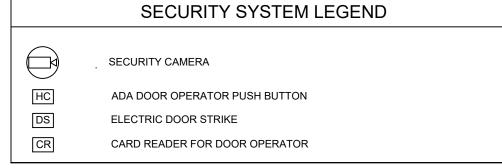
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11/09/2021 SHEET NO:

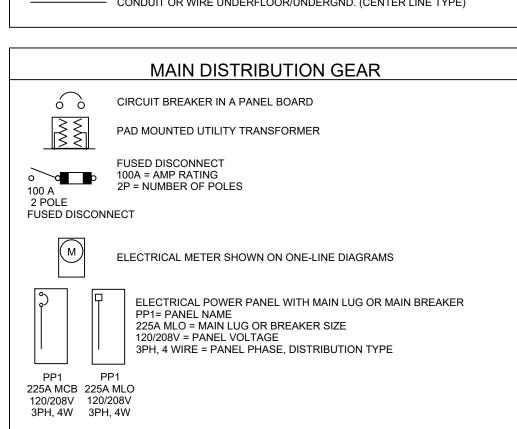
PROJECT NO:

# FIRE ALARM EQUIPMENT LEGEND FACP FIRE ALARM CONTROL PANEL F FIRE ALARM PULL STATION FIRE ALARM HORN FIRE ALARM STROBE FIRE ALARM HORN/STROBE CEILING MOUNTED SPEAKER (D)---- DUCT DETECTOR REMOTE LAMP SMOKE DETECTOR - PHOTOELECTRIC 135° STANDARD HEAT DETECTOR PIR PIR DETECTOR DH DOOR HOLD - MAGNETIC HOLD FLOW SWITCH TAMPER SWITCH

	COMMUNICATION LEGEND	
9	CLOCK ONLY	
<b>⊘</b> ∅	CLOCK / PA SPEAKER WALL MOUNTED	
S	ROUND CEILING MOUNTED SPEAKER	
S	SQUARE SPEAKER	
HC	INTERCOM PUSH TO CALL SWITCH	
WAP 💍	WIRELESS ACCESS POINT ABOVE THE CEILING	
PROJECTOR	ABOVE THE CEILING PROJECTOR CONNECTION	
ПНОМІ	WALL MOUNTED HDMI	
$\nabla$	PLAIN DATA OUTLET	
∇80"	PLAIN DATA OUTLET WITH MOUNTING HEIGHT	
<b>A</b>	COMBINATION DATA/TELEPHONE	
V	FLOOR MOUNTED COMBINATION DATA/TELEPHONE	
$\overline{\mathbb{Q}}$	CEILING MOUNTED COMBINATION DATA/TELEPHONE	
$\stackrel{\circ}{\leftarrow}$	TELEVISION OUTLET	



# ELECTRICAL EQUIPMENT LEGEND BRANCH CIRCUIT PANELBOARD TELEPHONE TERMINAL BOARD $\mathcal{O}$ ELECTRIC MOTOR FUSED SAFETY SWITCH / DISCONNECT COMBINATION -MOTOR STARTER CONTACTOR LA-7 CIRCUITRY HOMERUN: PANEL LA - CIR. #7 CONDUIT OR WIRE CONCEALED IN WALL/CLG. (SOLID LINE TYPE) CONDUIT OR WIRE UNDERFLOOR/UNDERGND. (CENTER LINE TYPE)



ELECTRICAL DEVICE LEGEND

<b>O</b>	CEILING JUNCTION BOX - SURFACE/FLUSH
<b>J</b> H	WALL JUNCTION BOX - SURFACE/FLUSH
$\ominus$	DUPLEX RECEPTACLE
lacktriangle	FLOOR MOUNTED RECEPTACLE
$\ominus$	SPLIT WIRED DUPLEX RECEPTACLE
	CEILING MOUNTED DUPLEX RECEPTACLE
<b>⊕</b>	FOURPLEX RECEPTACLE
	FLOOR MOUNTED FOURPLEX RECEPTACLE
$\bigoplus$	APPLIANCE RECEPTACLE - 3 WIRE
$\bigoplus_{GFCI}$	GROUND FAULT CIRCUIT INTERRUPTER
Фusв	RECEPTACLE WITH USB CHARGING CAPABILITES
$\bigoplus_{AC}$	RECEPTACLE MOUNTED ABOVE COUNTER
Фcw	RECEPTACLE MOUNTED IN CASEWORK
<b>(D)</b>	ELECTRIC HAND DRYER
T	THERMOSTAT
•	OPEN/CLOSE/STOP PUSH BUTTON
$\diamondsuit$	DRAWING KEY NOTES
ROOM 100	ROOM DESIGNATION
GFCI WP	GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE WITH A WEATHER PROOF COVER
GFCI 44"	GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE MOUNTED AT 44" ABOVE FINISHED FLOOR

- 1. COORDINATE THE LOCATION OF ALL LIGHTING EQUIPMENT INCLUDING BUT NOT LIMITED TO THE LUMINAIRES, SWITCHES WITH THE ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS AND ALL OTHER TRADES AS REQUIRED. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR DIMENSIONAL LOCATION OF LIGHT FIXTURES.
- 2. LIGHTING FIXTURES SHALL BE SUPPORTED FROM THE STRUCTURE ABOVE AND SHALL NOT BE
- 3. THE ELECTRICAL CONTRACTOR IS TO CONFIRM THE LIGHT FIXTURES ORDERED WILL BE COMPATIBLE WITH THE CEILING TYPES AS SHOWN ON THE ARCHITECTURAL REFLECTED CEILING PLANS. NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING THE FIXTURES.
- MOUNTED FIXTURES PRIOR TO ORDERING.
- FLEXIBLE CONDUIT DOWN INSIDE THE WALL FROM ABOVE THE CEILING AND REPAIR THE DRYWALL PROVIDED. AROUND THE CONDUIT. TRANSITION TO EMT ONCE ABOVE THE CEILING. 3. SIZES OF WIRE AND CABLES ARE BASED UPON COPPER CONDUCTORS, UNLESS OTHERWISE
- INDICATED. ALL CIRCUITS SHALL CONTAIN (2) #12 AWG WITH (1) #12 GND IN 1/2" CONDUIT UNLESS NOTED OTHERWISE 4. ALL BRANCH CIRCUITS WITH HOME RUNS OVER 50 FEET, WILL BE SIZED ONE SIZE LARGER.

1. ALL ELECTRICAL WORK TO COMPLY WITH LATEST EDITION OF NEC, IECC AND ALL APPLICABLE

2. FIELD COORDINATION DURING CONSTRUCTION IS IMPERATIVE. CONTRACTORS BIDDING THIS

3. ELECTRIC UTILITY TO ADVISE OWNER AND/OR THE ELECTRICAL ENGINEER PRIOR TO SERVICE

1. ALL WIRING IS SHOWN DIAGRAMMATICALLY ON DRAWING, FIELD VERIFY ALL CONDITIONS PRIOR

2. ALL CONDUITS AND CONVEYANCES SHALL BE CONCEALED. IN THE EVENT THAT A NEW DEVICE IS

BEING INSTALLED IN AN EXISTING DRYWALL PARTITION, PROVIDE A CUT IN TYPE BOX AND FISH

WORK MUST MAKE REASONABLE ALLOWANCES FOR UNFORESEEN CONTINGENCIES.

LIGHTING LEGEND

OCCUR, THE ITEM SHALL BE PROVIDED AND INSTALLED.

LOWER CASE LETTER INDICATES THE SWITCH CIRCUIT.

\$ SINGLE POLE SWITCH

TWO POLE SWITCH

FOUR-WAY SWITCH

\$<sub>D</sub> DIMMER SWITCH

THREE-WAY SWITCH

\$DD DOOR ACTIVATED SWITCH

\$ V LOW VOLTAGE LIGHT SWITCH

\$<sub>OS</sub> AUTO ON / AUTO OFF LIGHT SWITCH

\$<sub>T</sub> MANUAL ON - TIMED OFF LIGHT SWITCH

\$ KEY OPERATED LIGHT SWITCH

\$SC SCENE CONTROL STATION

├─── OPEN STRIP FIXTURE

**GENERAL ELECTRICAL NOTES:** 

GOVERNING CODES.

WALL BRACKET LINEAR FIXTURE

\$MA MANUAL ON / AUTO OFF DIMMING LIGHT SWITCH

\$MS UNIT LIGHTING MANAGEMENT CONTROL STATION,

■ FLANGE OR SURFACE MOUNTED

FLANGE OR SURFACE MOUNTED

A — WALL MOUNTED SCONCE LIGHT FIXTURE

A -O- SURFACE CEILING OR PENDANT MOUNTED FIXTURE

EX2 DOUBLE FACE EXIT SIGN, WALL AND CEILING MOUNTED

EX1 SINGLE FACE EXIT SIGN, WALL AND CEILING MOUNTED

A -Q- RECESSED DOWNLIGHT CAN FIXTURE

EM () WALL MOUNTED EMERGENCY LIGHT

MODIFICATION REQUIRING COST TO THE OWNER.

EMR P EMERGENCY EXTERIOR EGRESS FIXTURE

\$<sub>TO</sub> MANUAL MOTOR STARTER

\$ PILOT LIGHT SWITCH

VARIATION AND/OR COMBINATION MAY BE USED ON THE PLANS.

SYMBOLS SHOWN ARE STANDARD, VARIATION AND/OR COMBINATIONS MAY BE USED ON

THE PLANS. THIS LIST SHOWS STANDARD SYMBOLS AND ALL MAY NOT APPEAR ON THE

PROJECT DRAWINGS; HOWEVER, WHEREVER THE SYMBOL ON THE PROJECT DRAWINGS

AN UPPER CASE LETTER NEXT TO A SWITCH INDICATES THE FUNCTION OF THE SWITCH. A

WALL MOUNTED DUAL TECHNOLOGY MANUAL ON / AUTO OFF VACANCY SENSOR

AN UPPER CASE LETTER NEXT TO A LIGHT FIXTURE INDICATES THE TYPE OF FIXTURE.

REFER TO THE LUMINAIRE SCHEDULE FOR FIXTURE SPECIFICATIONS. A LOWER CASE

A NUMBER NEXT TO A RECEPTACLE OR DEVICE INDICATES A CIRCUIT NUMBER

LETTER NEXT TO A LIGHT CORRESPONDS TO THE SWITCH DESIGNATION.

\$3D 3 WAY DIMMER SWITCH - (4D INDICATES A 4WAY DIMMER)

\$MO DUAL TECHNOLOGY MOTION / OCCUPANCY SENSOR LIGHT SWITCH

(OS)(OS) CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR SWITCH

LIGHT FIXTURES

A 1'x4' LED TROFFER OR DIRECT/INDIRECT TYPE FIXTURE GRID, FLANGE OR SURFACE MOUNTED

2'x4' LED TROFFER OR DIRECT/INDIRECT TYPE FIXTURE GRID,

2'x2' LED TROFFER OR DIRECT/INDIRECT TYPE FIXTURE GRID,

(MA) (MA) CEILING MOUNTED DUAL TECHNOLOGY MANUAL ON / AUTO OFF VACANCY SENSOR

**SWITCHES** 

NOTES:

- 5. ALL PENETRATIONS IN OR THROUGH FIRE RATED PARTITIONS SHALL BE FIRE STOPPED IN SUCH A
- WAY THAT THE PENETRATION MATCHES THE FIRE RATING OF THE WALL 6. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION BETWEEN THE
- APPROPRIATE DISCIPLINES AND CONTRACTORS. 7. COORDINATE ALL DEVICE, FIXTURE AND HARDWARE COLOR SELECTIONS WITH THE ARCHITECT
- PRIOR TO MAKING SHOP DRAWING SUBMITTALS.
- 8. COORDINATE THE MOUNTING HEIGHTS OF ALL RECEPTACLES MOUNTED ABOVE COUNTERS, CASEWORK AND APPLIANCE RECEPTACLES WITH ARCHITECTURAL ELEVATIONS.
- 9. BRANCH CIRCUIT AND SPECIAL SYSTEMS WIRING FOR DEVICES ON WALLS IN FINISHED AREAS
- WHICH CANNOT BE CONCEALED SHALL BE INSTALLED IN SURFACE MOUNTED RACEWAY.
- 10. ALL EXPOSED CONDUITS, BOXES, ETC. IN ROOMS TO BE PAINTED SHALL BE PAINTED TO MATCH THE SURROUNDING SURFACE. EXPOSED CONDUITS, BOXES, ETC. IN ROOMS WHICH ARE NOT PAINTED MAY BE LEFT UN-PAINTED. EXPOSED CONDUIT, BOXES, ETC. ON THE EXTERIOR OF BUILDINGS SHALL BE PAINTED TO MATCH THE SURROUNDING SURFACE AS CLOSELY AS POSSIBLE.
- 11. THE CONTRACTOR IS RESPONSIBLE FOR PATCHING, PAINTING, REPAIRING OR REPLACEMENT OF ALL WALLS, CEILING OR OTHER BUILDING ELEMENTS WHICH ARE DISTURBED AS PART OF THE DEMOLITION AND/OR INSTALLATION OF ELECTRICAL WORK.
- 12. PROVIDE ELECTRICAL CONNECTION TO ALL FIRE, SMOKE, AND FIRE / SMOKE DAMPERS INCLUDING POWER AND FIRE ALARM. VERIFY EXACT SIZE AND FINAL LOCATION OF ALL DAMPERS WITH THE MECHANICAL CONTRACTOR. ALL ROOFTOP UNITS RATED AT MORE THAN 2000 CFM WILL BE OUTFITTED WITH A DUCT DETECTOR IN THE RETURN DUCT. ALL ROOFTOP UNITS RATED AT MORE THAN 15000 CFM WILL BE OUTFITTED WITH A DUCT DETECTOR IN BOTH THE SUPPLY AND RETURN DUCT AT ROOFTOP LEVEL AND IN THE RETURN DUCT AT EVERY LEVEL THAT IS SERVED. ELECTRICAL CONTRACTOR WILL PROVIDE A REMOTE TEST STATION AND ALL WIRING NECESSARY TO COMPLETE INSTALLATION.
- 13. REFER TO THE MECHANICAL EQUIPMENT SCHEDULE FOR ADDITIONAL REQUIREMENTS ASSOCIATED WITH PLUMBING AND HVAC EQUIPMENT AND OWNER/GENERAL CONTRACTOR FURNISHED EQUIPMENT.

# LUMINAIRES

- SUPPORTED FROM THE T-BAR CEILING GRID.
- 4. VERIFY LUMINAIRE MOUNTING REQUIREMENTS AND OVERALL HEIGHT OF ALL PENDANT
- 5. ALL LIGHT FIXTURES NEED TO BE COMPATIBLE WITH THE SWITCHES AND CONTROLS BEING
- 6. THE LIGHTING PACKAGE SHALL BE APPROVED BY BOTH THE ARCHITECT AND ENGINEER AS APPROVED EQUAL BEFORE BID. NO LIGHT FIXTURE SHALL BE ORDERED UNTIL THE LIGHT FIXTURE SUBMITTAL PACKAGE HAS BEEN APPROVED IN WRITING BY THE ARCHITECT, GENERAL
- CONTRACTOR AND ELECTRICAL ENGINEER. 7. COORDINATE LUMINAIRE MOUNTING REQUIREMENTS PRIOR TO PLACING ORDER.

### RESPONSIBLE DIVISION:

UNLESS OTHERWISE INDICATED ALL HEATING, VENTILATING, AIR CONDITIONING, PLUMBING, AND OTHER MECHANICAL EQUIPMENT, MOTORS, AND CONTROLS SHALL BE FURNISHED, SET IN PLACE AND WIRED AS FOLLOWS: POWER CONTROL FURNISHED SET WIRED WIRED **EQUIPMENT** 23 23 26 COMBINATION MAGNETIC MOTOR STARTERS, MAGNETIC MOTOR STARTERS, VFD'S AND CONTACTORS 23(1) 26 26(2) 23 FUSED AND UNFUSED DISCONNECT SWITCHES, THERMAL OVERLOAD SWITCHES AND HEATERS, MANUAL MOTOR STARTERS MANUAL-OPERATING AND MULTI-SPEED SWITCHES 23 26 26 26 CONTROLS, RELAYS. TRANSFORMERS 23 26 23 THERMOSTATS (LOW VOLTAGE) AND TIME SWITCHES THERMOSTATS (LINE VOLTAGE) 26 26 23 TEMPERATURE CONTROL PANELS 23 23 26 23 MOTOR AND SOLENOID VALVES,

23(2) --

CRI COLOR RENDERING INDEX

CT CURRENT TRANSFORMER

CT COOLING TOWER

CU CONDENSING UNIT

CUH CABINET UNIT HEATER

CVB CONSTANT VOLUME BOX

CWR CONDENSER WATER RETURN

CWS CONDENSER WATER SUPPLY

CU COPPER

DB DRY BULB

DIA DIAMETER

DIAG DIAGRAM

DIFF DIFFERENTIAL

DS DUCT SILENCER

DX DIRECT EXPANSION

EA EXHAUST AIR GRILLE/REGISTER

EAT ENTERING AIR TEMPERATURE

EC ELECTRICAL CONTRACTOR

EM EMERGENCY FUNCTION

EMT ELECTRIC METALLIC TUBE

ESP EXTERNAL STATIC PRESSURE

EWC ELECTRIC WATER COOLER

DISCH DISCHARGE

DIV DIVISION

DWG DRAWING

(A) EXISTING

ECC ECCENTRIC

EFF EFFICIENCY

EL ELEVATION

ELEC ELECTRIC

ELEV ELEVATOR

ENT ENTERING

**EQUIP EQUIPMENT** 

**EQUIV EQUIVALENT** 

ES END SWITCH

ET EXPANSION TANK

EWT ENTERING WATER

EXPAN EXPANSION

F DEGREES FAHRENHEIT

FCV FLOW CONTROL VALVE

**TEMPERATURE** 

EX EXHAUST

EXT EXTERNAL

FA FREE AREA

FC FAN COIL UNIT

FC FOOTCANDLE

FD FIRE DAMPER

FD FLOOR DRAIN

FLA FULL LOAD AMPS

FIN FINISHED

FLEX FLEXIBLE

EQ EQUAL

EF EXHAUST FAN

DN DOWN

DEPT DEPARTMENT

DF DRINKING FOUNTAIN

23(2)

FLR FLOOR

FOB FLAT ON BOTTOM

FP FIRE PROTECTION

FPM FEET PER MINUTE

FPS FEET PER SECOND

FSD FIRE/SMOKE DAMPER

FXC FLEXIBLE CONNECTION

GEC GROUND ELECTRODE

GFCI / GFI GROUND FAULT CIRCUIT

GC GENERAL CONTRACTOR

GPH GALLONS PER HOUR

GPM GALLONS PER MINUTE

GRS/LB GRAINS PER POUND

HD HEAD (SEE SCHEDULES)

HWR HEATING WATER RETURN

HWS HEATING WATER SUPPLY

HX HEAT EXCHANGER

ID INSIDE DIAMETER

JBOX JUNCTION BOX

KVA KILO VOLT - AMPS

LD LINEAR DIFFUSER

LRA LOCKED ROTOR AMPS

LWT LEAVING WATER TEMPERATURE

LF LINEAR FEET

LAT LEAVING AIR TEMPERATURE

IG ISOLATED GROUND

FS FLOW SWITCH

FT FEET

GND GROUND

GA GAUGE

GAL GALLON

CONDUCTOR

INTERRUPTER

H 20 WATER

HB HOSE BIBB

HP HEAT PUMP

HR HOUR

HT HEIGHT

HTR HEATER

HZ HERTZ

IN INCHES

INV INVERT

K KELVIN

KW KILOWATT

L LENGTH

LV LAVATORY

LB POUND

LIN LINEAR

LIQ LIQUID

LM LUMEN

LV LOUVER

LVG LEAVING

HP HORSEPOWER

GALV GALVANIZED

FOT FLAT ON TOP

FP FIRE PUMP

23

26 23(2)

23 23(2) --

SUBSCRIPT FOOTNOTES

DAMPER MOTORS, PE & EP

**PUSH-BUTTON STATIONS** 

AND PILOT LIGHTS

HEATING, COOLING,

VENTILATION AND AIR

CONDITIONING CONTROLS

**EXHAUST FAN SWITCHES** 

**ABBREVIATIONS:** 

A.D. ACCESS DOOR

ABV ABOVE

CAPACITY

44" MOUNTING HEIGHT ABOVE

AAV AIR ADMITTANCE VALVE

AC AIR CONDITIONING UNIT

AD AREA DRAIN (SEE SYMBOLS)

A.F.C. ABOVE FINISHED CEILING

A.F.G. ABOVE FINISHED GRADE

AIC AMPERE INTERRUPTING

A.F.F. ABOVE FINISHED FLOOR

AP ACCESS PANEL OR DOOR

AWG AMERICAN WIRE GAGE

BD BACK DRAFT DAMPER

BFP BACK FLOW PREVENTOR

ATS AUTOMATIC TRANSFER SWITCH

BAS BUILDING AUTOMATION SYSTEM

AHU AIR HANDLING UNIT

ALUM ALUMINUM

AV AUDIO / VIDEO

BB BASEBOARD

BL BOILER

BLDG BUILDING

BOB BOTTOM OF BEAM

BOD BOTTOM OF DUCT

BOP BOTTOM OF PIPE

BTU BRITISH THERMAL UNIT

CB CIRCUIT BREAKER

CCT CORRELATED COLOR

CFH CUBIC FEET PER HOUR

CFM CUBIC FEET PER MINUTE

CHWR CHILLED WATER RETURN

CHWS CHILLED WATER SUPPLY

CMU CONCRETE MASONRY UNIT

CBV CIRCUIT BALANCING VALVE

BSMT BASEMENT

C CHILLER

TEMPERATURE

CKT CIRCUIT

CI CAST IRON

CLG CEILING

CO CLEAN OUT

COMP COMPRESSOR

CONC CONCRETE

COND CONDENSATE

CONN CONNECTION

CONT CONTINUATION

CONTR CONTRACTOR

COL COLUMN

CL CENTER LINE

CAP CAPACITY

BLW BELOW

AVG AVERAGE

AC ABOVE COUNTER

FINISHED FLOOR TO CENTER OF DEVICE

SWITCHES

- MOTOR STARTER TO INCLUDE CONTROL TRANSFORMER, HOA SWITCH, (1) NO AND (1)NC AUXILIARY CONTACT, AND "ON" AND "OFF" PILOT LIGHTS.
- IF ITEM IS FOR LINE VOLTAGE, SET IN PLACE AND CONNECT UNDER DIVISION 26. WHERE FACTORY MOUNTED ON EQUIPMENT OR ATTACHED TO PIPING OR DUCTS AND USING LINE VOLTAGE FURNISH AND SET UNDER DIVISION 23, CONNECT UNDER DIVISION 26

# SUBSTITUTIONS:

A. SUBSTITUTIONS: SUBSTITUTION OF SPECIFIED EQUIPMENT WILL BE ALLOWED THROUGH A PRIOR APPROVAL PROCESS INITIATED BY THE CONTRACTOR. CONTRACTOR SHALL SUBMIT INTENDED SUBSTITUTION AT LEAST FIVE DAYS PRIOR TO BID FOR APPROVAL FROM ENGINEER. SUBMITTAL SHALL INCLUDE CAPACITIES, DIMENSIONS AND OPERATING INSTRUCTIONS FOR EACH PIECE OF EQUIPMENT. SUBSTITUTION SHALL OCCUR AT NO COST TO THE OWNER. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF APPROVED SUBSTITUTION AND SHALL INCUR ALL COSTS ASSOCIATED WITH THE SUBSTITUTION INCLUDING STRUCTURAL MODIFICATIONS, SPACE LAYOUT AND REDESIGN COSTS. SEE ALSO DIVISION I GENERAL REQUIREMENTS.

### **EXAMINATION OF SITE, DRAWINGS, SPECIFICATIONS:**

- A. EXAMINE CAREFULLY THE SITE AND CONDITIONS OF THE SITE. PROVIDE ALL NECESSARY EQUIPMENT AND LABOR TO INSTALL A COMPLETE WORKING SYSTEM WITHIN THE SITE CONDITIONS.
- B. EXAMINE THE DRAWINGS AND SPECIFICATIONS AND 5 DAYS PRIOR TO BIDDING REPORT ANY ERRORS, OMISSIONS, INCONSISTENCIES, AND CONFLICTS TO THE ENGINEER TO BE REMEDIED IN AN ADDENDUM TO THE PROJECT PRIOR TO
- DRAWINGS ARE DIAGRAMMATIC AND CATALOG NUMBERS GIVEN ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE CAPACITY OF THE EQUIPMENT MEETS THE DRAWING REQUIREMENTS AND SHALL NOT DIMENSION FROM THE MECHANICAL, PLUMBING, OR PIPING
- D. THE LATEST ADOPTED VERSIONS OF THE INTERNATIONAL BUILDING CODES SHALL BE USED AS REQUIRED. THIS WILL ALSO INCLUDE THE LATEST ADOPTED VERSIONS OF THE MECHANICAL, PLUMBING AND ENERGY CONSERVATION CODES ALL METHODS AND MATERIALS REQUIRED BY THESE CODES SHALL BE REQUIRED BY THESE SPECIFICATIONS UNLESS INDICATED OTHERWISE. OTHER APPLICABLE LOCAL CODES AND ORDINANCES SHALL BE AS REQUIRED AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BE KNOWLEDGEABLE OF THESE REQUIREMENTS.

MBH THOUSANDS OF BTU PER HOUR

MC MECHANICAL CONTRACTOR

MCA MINIMUM CIRCUIT AMPACITY

MCB MAIN CIRCUIT BREAKER

MDP MAIN DISTRIBUTION PANEL

MOCP MAXIMUM OVERCURRENT

MD MOTORIZED DAMPER

MFR MANUFACTURER

MISC MISCELLANEOUS

MLO MAIN LUG ONLY

MUA MAKE-UP AIR UNIT

NC NORMALLY CLOSED

NIC NOT IN CONTRACT

NO NORMALLY OPEN

NTS NOT TO SCALE

OBD OPPOSED BLADE DAMPER

OCP OVER CURRENT PROTECTION

OD OUTSIDE DIAMETER

PD PRESSURE DROP

POS POINT OF SALES

POS POSITIVE PRESSURE

ORD OVERFLOW ROOF DRAIN

PBD PARALLEL BLADE DAMPER

PRV PRESSURE REDUCING VALVE

POUNDS PER SQUARE INCH

PRESSURE SWITCH

PT PRESSURE TRANSMITTER

PTAC PACKAGED TERMINAL AIR

PVC POLYVINYL CHLORIDE

RA RETURN AIR GRILLE / REGISTER

RCP REFLECTED CEILING PLAN

OA OUTSIDE AIR

OC ON CENTER

OCC OCCUPIED

OL OVERLOAD

OZ OUNCE

PH PHASE

CONDITIONER

PV PLUG VALVE

QTY QUANTITY

RD ROOF DRAIN

REQD REQUIRED

RF RETURN FAN

RHC REHEAT COIL

RH RELATIVE HUMIDITY

RLA RATED LOAD AMPS

REL RELIEF

PS

NEUTRAL

MED MEDIUM

MIN MINIMUM

PROTECTION

MTD MOUNTED

NEG NEGATIVE

NOT SWITCH

NOM NOMINAL

RM ROOM

RATING

RPM REVOLUTIONS PER MINUTE

SCA SHORT CIRCUIT AVAILABLE

SCCR SHORT CIRCUIT CURRENT

SC SHORT CIRCUIT

SCH SCHEDULE

SF SUPPLY FAN

SH SHOWER

SQ SQUARE

STD STANDARD

STL STEEL

SYS SYSTEM

TYP TYPICAL

UR URINAL

V VOLTS

VA VALVE

VOLT VOLTAGE

W WIDTH

W WATTS

W/ WITH

W/O WITHOUT

WB WET BULB

WC WATER COLUMN

WC WATER CLOSET

WG WATER GAUGE

WP WEATHERPROOF

XFMR TRANSFORMER

WPIU WEATHERPROOF IN-USE

WSR WITHSTAND RATING

SH SENSIBLE HEAT

SP STATIC PRESSURE

SPEC SPECIFICATION

SS STAINLESS STEEL

SS SAFETY SHOWER

TEMP TEMPERATURE

TERMINAL BACKBOARD

TX TRANSFORMER

UH UNIT HEATER

VA VOLT AMPERE

UC UNDERCUT DOOR

UNOCC UNOCCUPIED

TR TAMPER RESISTANT

SPD SURGE PROTECTION DEVICE

TR TRANSFER GRILLE / REGISTER

TT TEMPERATURE TRANSMITTER

UNO UNLESS NOTED OTHERWISE

VAV VARIABLE AIR VOLUME UNIT

VTR VENT THROUGH ROOF

VFD VARIABLE FREQUENCY DRIVE

VRF VARIABLE REFRIGERANT FLOW

TTB TELECOMMUNICATIONS

SD SMOKE DAMPER

SEF SMOKE EXHAUST FAN

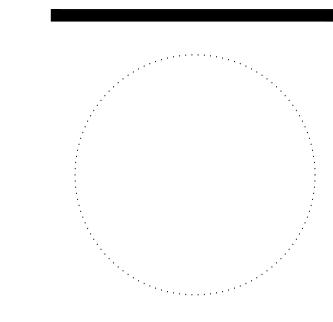
SA SUPPLY AIR GRILLE / REGISTER

E. WHERE INSTALLATION PROCEDURES OR ANY PART THEREOF ARE REQUIRED TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER OF THE MATERIAL BEING INSTALLED, PRINTED COPIES OF THESE RECOMMENDATIONS SHALL BE FURNISHED TO THE ENGINEER PRIOR TO INSTALLATION. INSTALLATION OF THE ITEM WILL NOT BE ALLOWED TO PROCEED UNTIL THE RECOMMENDATIONS ARE RECEIVED. FAILURE TO FURNISH THESE RECOMMENDATIONS CAN BE CAUSE FOR REJECTION OF THE MATERIAL



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# **OLD PALISADE HIGH SCHOOL DEMOLITION**

711 IOWA AVENUE PALISADE, COLORADO

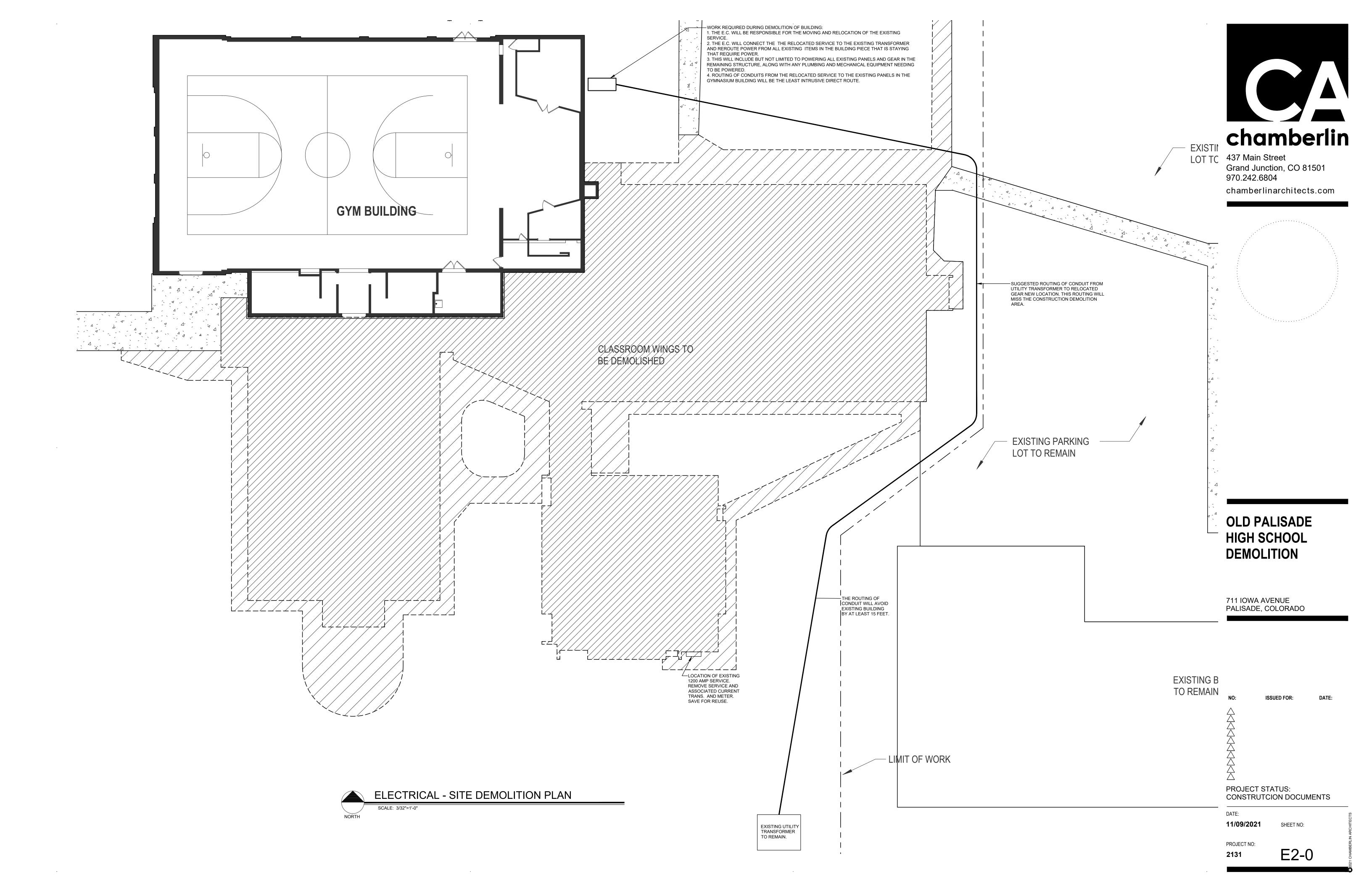
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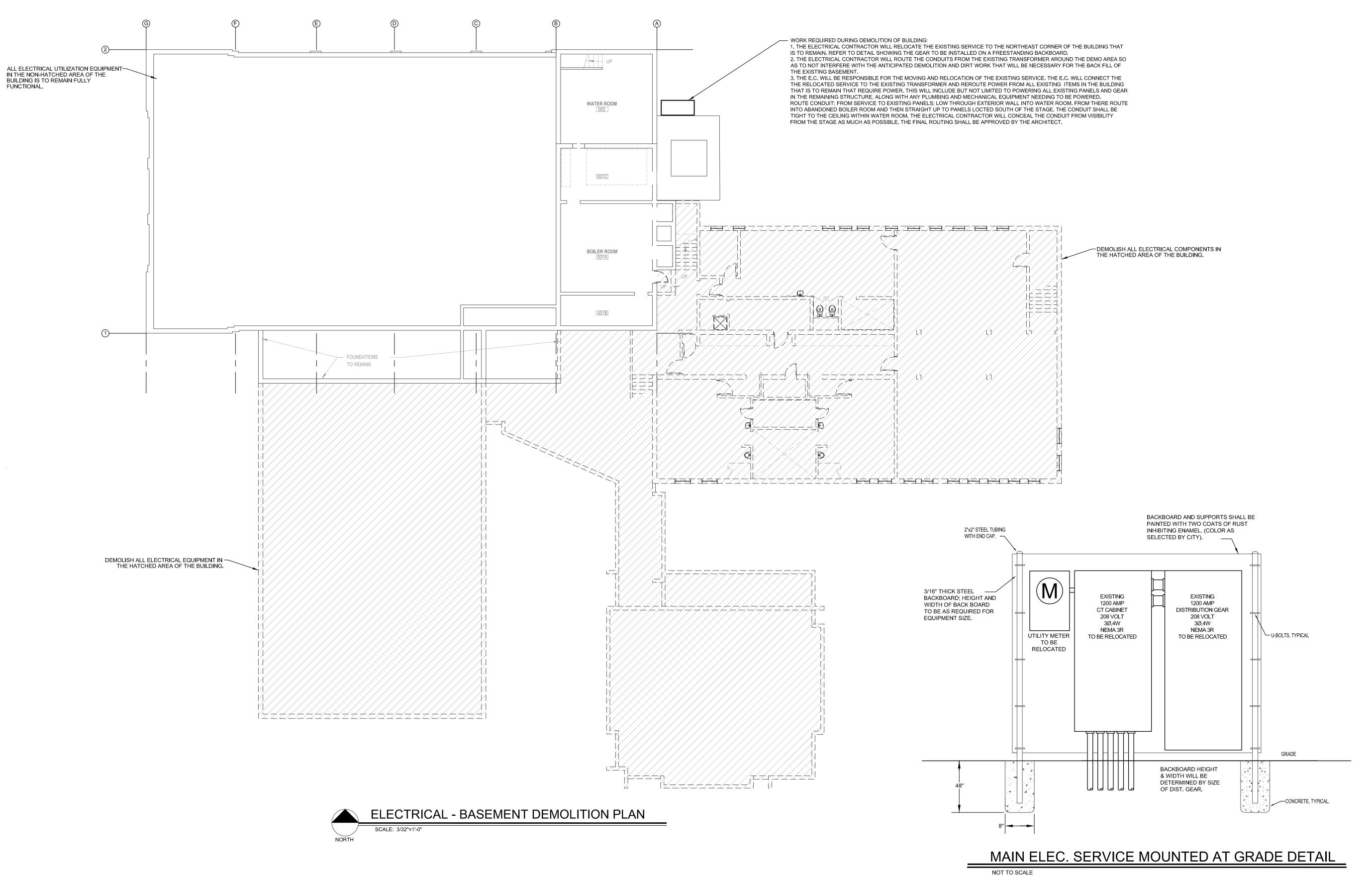
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PROJECT NO:

11/09/2021 SHEET NO:

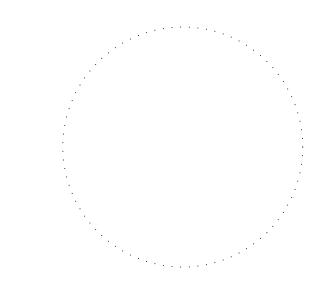
**CONSTRUTCION DOCUMENTS** 







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# OLD PALISADE HIGH SCHOOL DEMOLITION

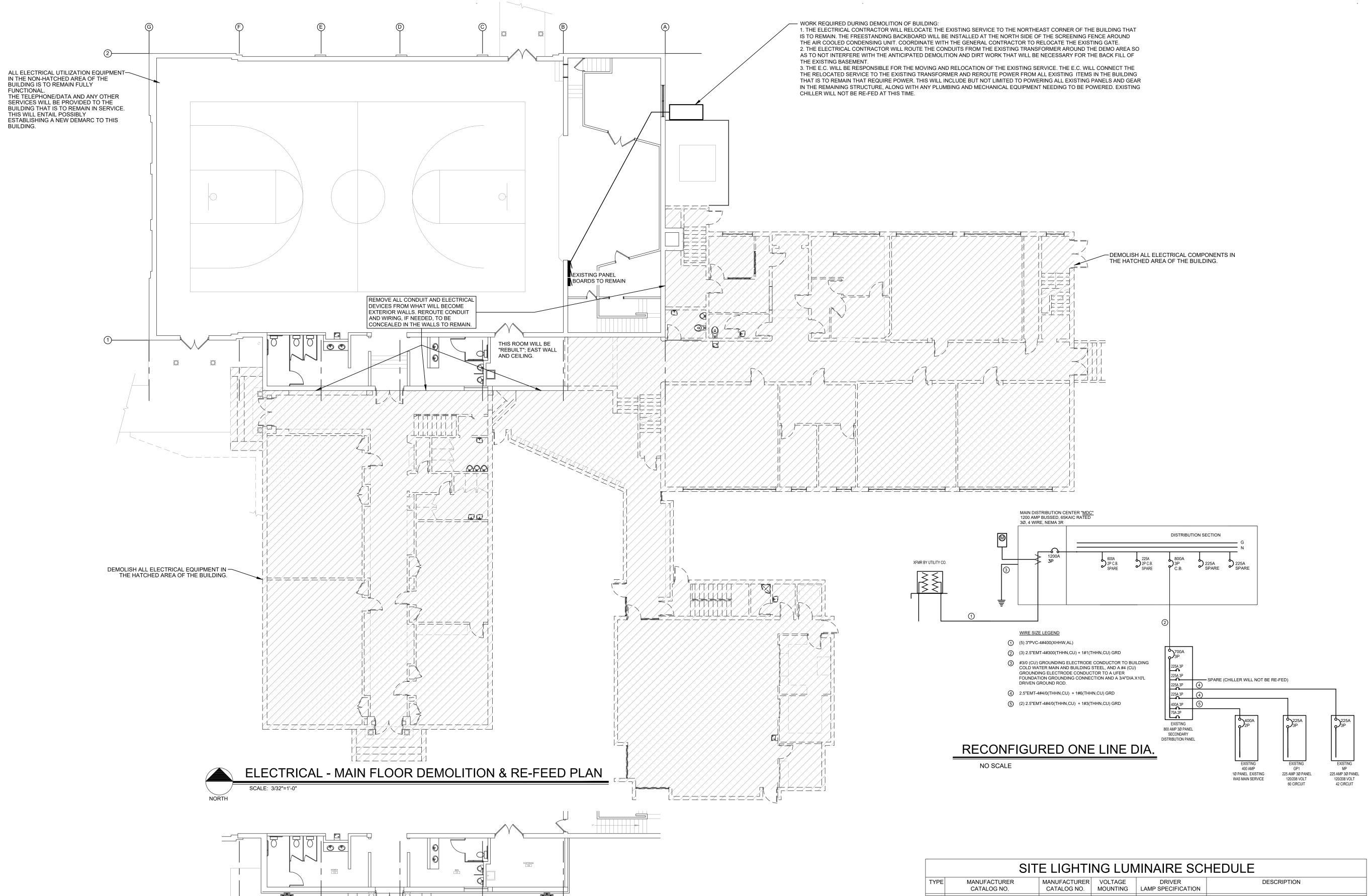
711 IOWA AVENUE PALISADE, COLORADO

DATE:

11/09/2021 SHEET NO:

PROJECT NO:

E2-1



EXTERIOR LIGHTING NOTES:

1. REFERENCE THE ARCHITECTURAL ELEVATIONS FOR THE

GUIDES TO LIGHT THE PILLARS.

THE EXISTING LIGHTS.

LIGHTING - MAIN ENTRY PLAN

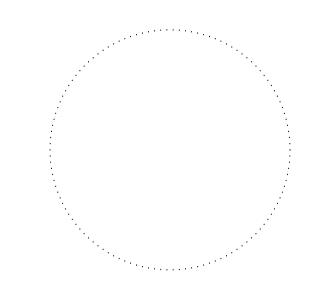
EXACT LOCATION OF THE NEW WALL MOUNTED LIGHTS. MOUNT THE TYPE S1 LIGHTS PER THE MANUFACTURES

3. CIRCUIT AND CONTROL THE NEW EXTERIOR LIGHTS WITH



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# **OLD PALISADE** HIGH SCHOOL **DEMOLITION**

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SITE LIGHTING LUMINAIRE SCHEDULE					
TYPE	MANUFACTURER CATALOG NO.	MANUFACTURER CATALOG NO.	VOLTAGE MOUNTING	DRIVER LAMP SPECIFICATION	DESCRIPTION
	FC LIGHTING FCD609R-120V-35K-13L-CRI85- SS-SP-SR	APPROVED EQUIVALENT	120V IN-GRADE	LED DRIVER 1300LM, 3500K, 14W, 58CRI,	6"ROUND INGRADE RECESSED FIXTURE WITH STAINLESS STEEL FACE PLANT, IP67 RATED FIR EXTERIOR USE10° BEAM SPREAD,SLIP RESISTANT LENS
	FC LIGHTING FCW1010-UNV-35K-38L-CRI85-BZ LD-BBUR	APPROVED EQUIVALENT	UNV-120V SURFACE WALL	LED 0-10V DIMMING, 3750LM, 3500K, 35W, 85CRI,	DIRECTIONAL WALL FIXTURE, IP65 RATED AND SAFE FOR WET LOCATIONS, IMPACT RESISTANT LENS, BRONZE FINISH, BATTERY BACKUP FOR EM EGRESS

- NOTES:

  1. THE ELECTRICAL CONTRACTOR IS TO ORDER ALL HARDWARE AND COMPONENTS NECESSARY FOR A FULL AND COMPLETE INSTALLATION AND MOUNTING OF
- 2. ALL OUTSIDE LIGHT SOURCES SHALL CONFORM TO ALL LOCAL MUNICIPAL ZONING & DEVELOPMENT CODES, LIGHT TRESPASS AND DARK SKY INITIATIVES. 3. ORDER ALL EXTERIOR LUMINAIRES WITH MULTI-TAP BALLAST AND FIELD VERIFY AVAILABLE VOLTAGE FOR EACH LUMINAIRE PRIOR TO INSTALLATION.

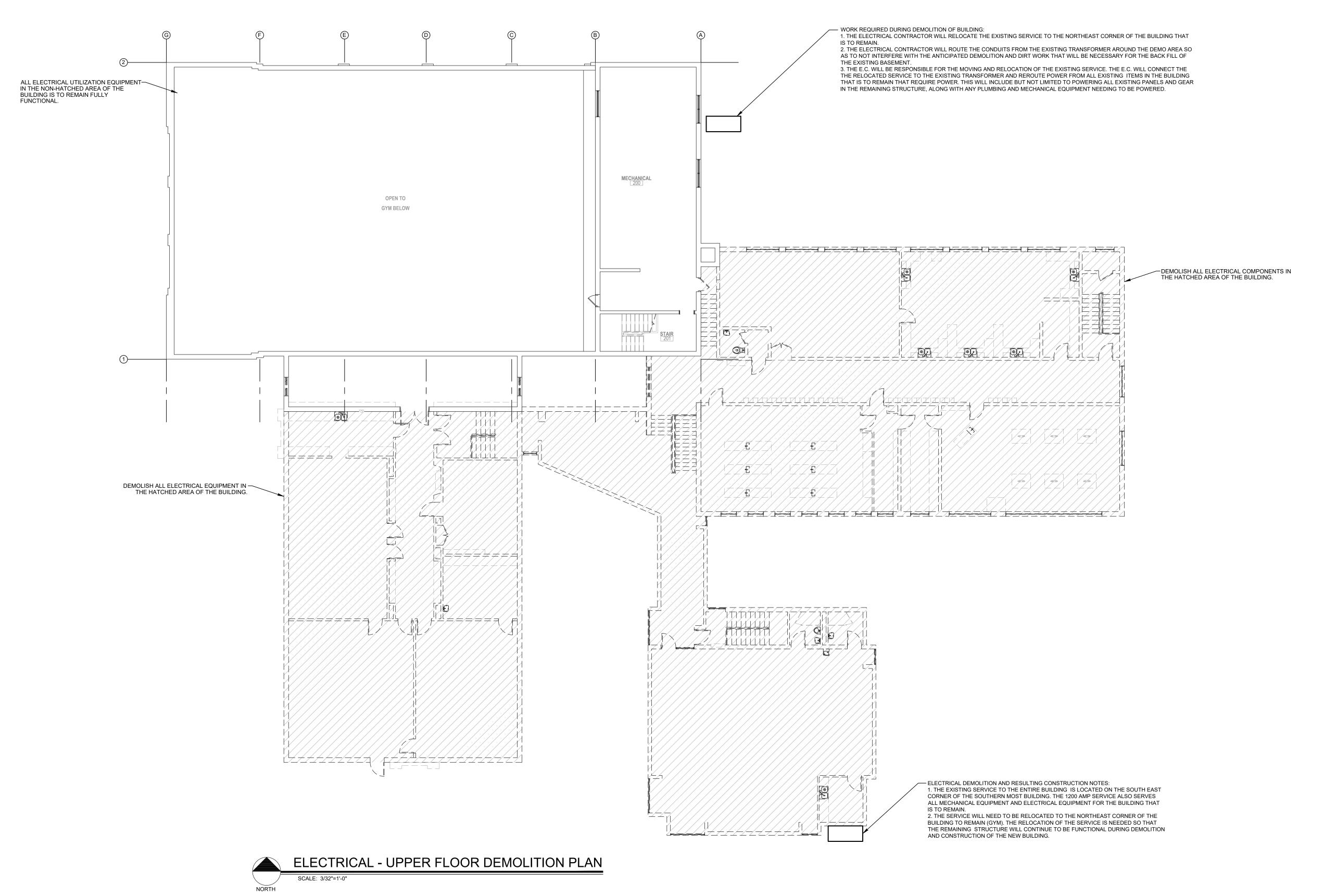
PROJECT STATUS: CONSTRUTCION DOCUMENTS DATE:

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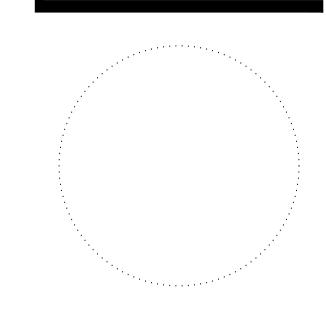
E2-2

SHEET NO:





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# OLD PALISADE HIGH SCHOOL DEMOLITION

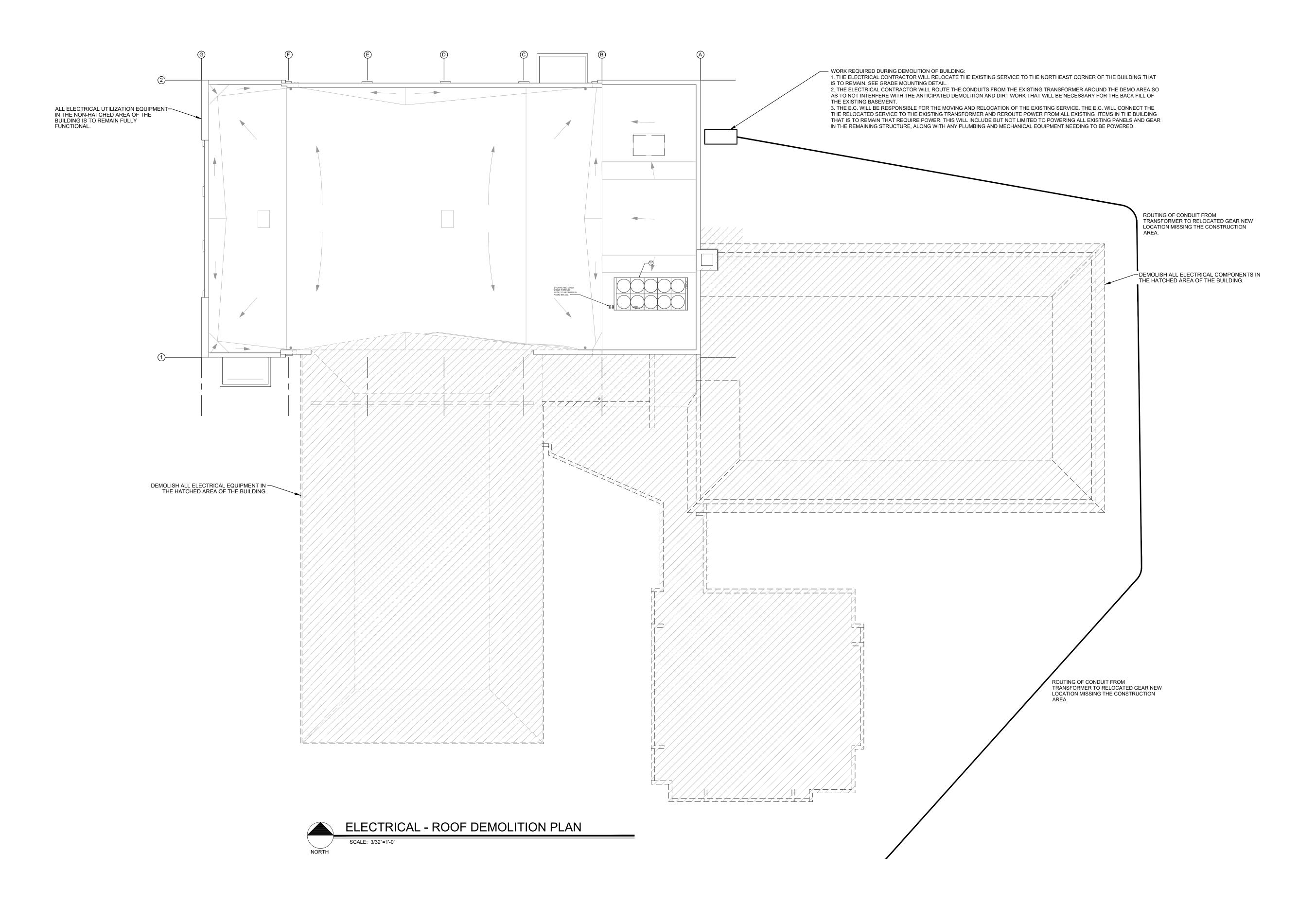
711 IOWA AVENUE PALISADE, COLORADO

DATE:

**11/09/2021** SHEET NO:

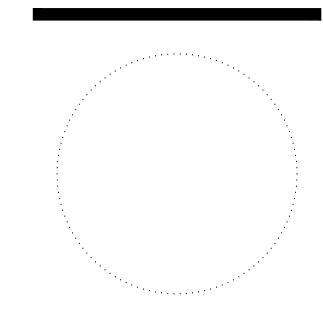
PROJECT NO:

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# **OLD PALISADE** HIGH SCHOOL **DEMOLITION**

711 IOWA AVENUE PALISADE, COLORADO

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DATE:

11/09/2021 SHEET NO:

PROJECT NO:

E2-4