

TOWN OF EAST LYME/ EAST LYME PUBLIC SCHOOLS



EAST LYME HIGH SCHOOL – AQUATIC CENTER ROOF REPLACEMENT

30 CHESTERFIELD ROAD
EAST LYME, CONNECTICUT 06333

ARCHITECT:
LOTHROP ASSOCIATES ARCHITECTS D.P.C. P.C.
333 WESTCHESTER AVENUE
WHITE PLAINS, NEW YORK 10604

CONTRACT DRAWINGS

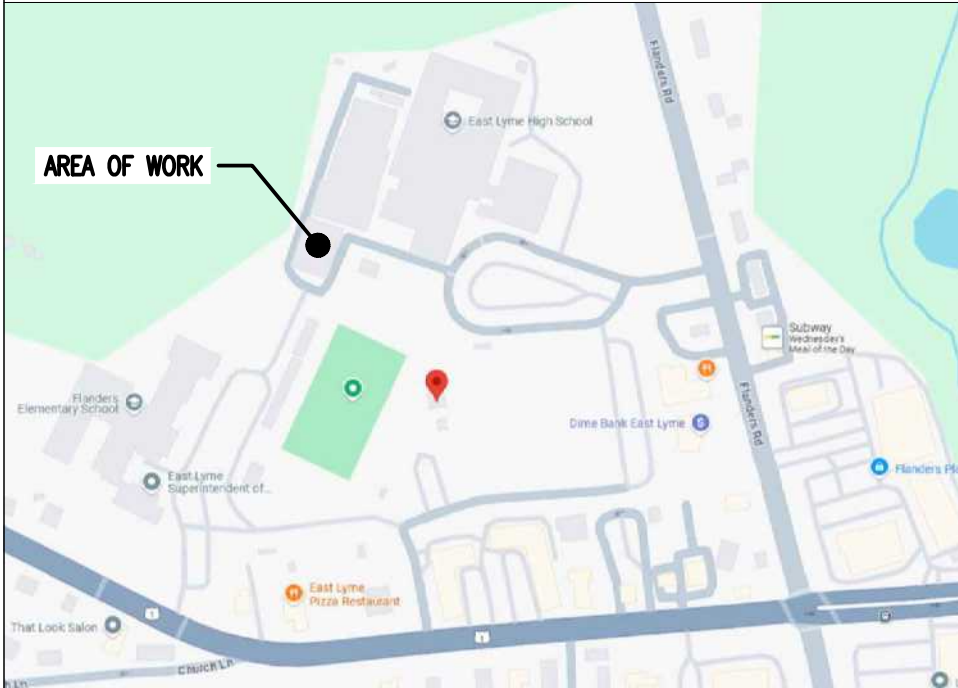
ARCHITECTURAL

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ARCHITECTS SIGNATURE
AND STAMP

DRAWING ISSUE

1 2/11/2026 ISSUED FOR BID



SITE PLAN



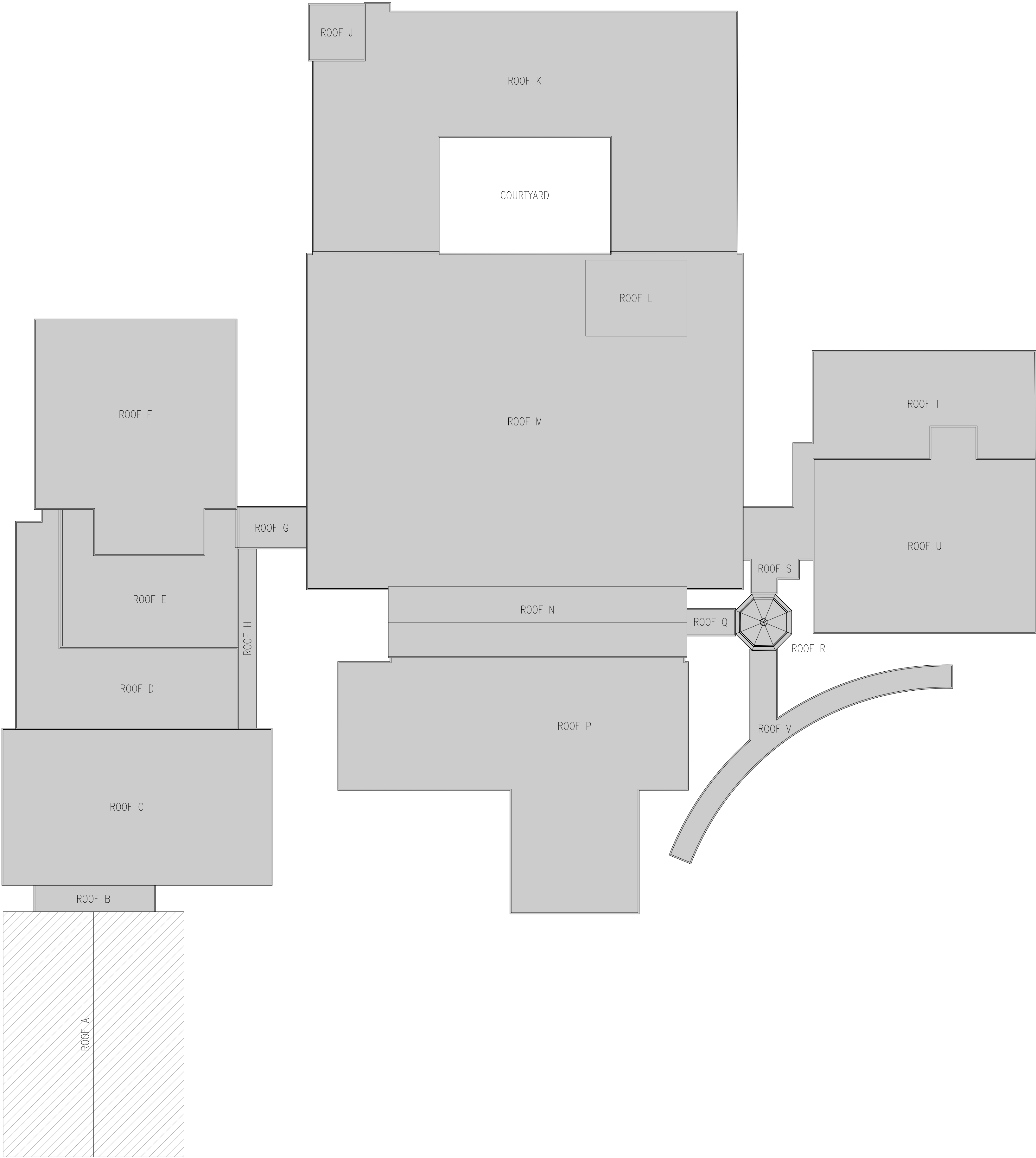
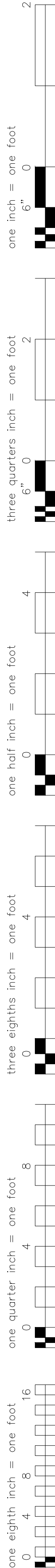
LOCATION PLAN

COVER SHEET

DRAWING NO.:

A000

N:\10-EDUCATION\2745-02 - ELPS - Aquatic Center Roof-A\2745-02-10-Drawings\2745-02_Active\2745-02_25_0000_A000 - Site Planning



ROOF CHART							
ROOF AREA DESIGNATION	SQUARE FOOT	PITCH	EXISTING ROOF ON EXISTING BUILDING	NEW ROOF ON EXISTING BUILDING	TYPE OF ROOFING	LAST YEAR OF REPAIR/REPLACE	PROGRAMMATIC AREA BELOW REPLACEMENT ROOF
ROOF - A	12,771	4" PER 12"	-	√	STANDING SEAM METAL ROOF	2025	POOL
ROOF - B	870	1/8":1'-0"	√	NOT IN SCOPE	EPDM	1998	LOBBY
ROOF - C	11,470	1/8":1'-0"	√	NOT IN SCOPE	BUILT UP/ SPRAY FOAM	1987	GYMNASIUM
ROOF - D	6,380	1/8":1'-0"	√	NOT IN SCOPE	BUILT UP/ SPRAY FOAM	1987	LOCKER ROOMS
ROOF - E	5,140	1/8":1'-0"	√	NOT IN SCOPE	BUILT UP/ SPRAY FOAM	1987	LOCKER ROOMS
ROOF - F	11,840	1/8":1'-0"	√	NOT IN SCOPE	BUILT UP/ SPRAY FOAM	1987	GYMNASIUM
ROOF - G	750	1/8":1'-0"	√	NOT IN SCOPE	BUILT UP/ SPRAY FOAM	1987	CORRIDOR
ROOF - H	895	1/8":1'-0"	√	NOT IN SCOPE	BUILT UP/ SPRAY FOAM	1987	CORRIDOR
ROOF - J	830	1/8":1'-0"	√	NOT IN SCOPE	BUILT UP/ SPRAY FOAM	1987	PLANETARIUM
ROOF - K	21,770	1/8":1'-0"	√	NOT IN SCOPE	BUILT UP/ SPRAY FOAM	1987	CLASSROOMS
ROOF - L	2,135	1/8":1'-0"	√	NOT IN SCOPE	BUILT UP/ SPRAY FOAM		FAN ROOM
ROOF - M	37,870	1/8":1'-0"	√	NOT IN SCOPE	BUILT UP/ SPRAY FOAM	1995	CLASSROOMS
ROOF - N	5,665	9" PER 12"	√	NOT IN SCOPE	STANDING SEAM METAL ROOF	1998	ATRIUM
ROOF - P	16,920	1/4":1'-0"	√	NOT IN SCOPE	EPDM	1998	CLASSROOMS
ROOF - Q	330	1/8":1'-0"	√	NOT IN SCOPE	EPDM	1998	ENTRANCE
ROOF - R	545	9" PER 12"	√	NOT IN SCOPE	STANDING SEAM METAL ROOF	1998	CANOPY
ROOF - S	355	1/8":1'-0"	√	NOT IN SCOPE	EPDM	1998	CANOPY
ROOF - T	7,450	1/8":1'-0"	√	NOT IN SCOPE	BUILT UP/ SPRAY FOAM	1987	AUDITORIUM
ROOF - U	10,980	1/8":1'-0"	√	NOT IN SCOPE	BUILT UP/ SPRAY FOAM	1987	AUDITORIUM
ROOF - V	2,580	1/8":1'-0"	√	NOT IN SCOPE	EPDM	1998	CANOPY
ROOF - TOTAL	157,546						

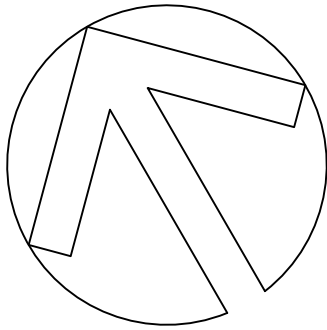
CODE REQUIREMENT SUMMARY			
DESCRIPTION	REQUIREMENT	PROVIDED	REFERENCE
USE GROUP	ACCESSORY A4 to E	ACCESSORY A4 to E	SECTION 305
CLIMATE ZONE	5A	5A	TABLE C301.1
ALTERATION LEVEL	1	1	SECTION 602, 705
BUILDING CONSTRUCTION TYPE	II B	II B	TABLE 504.3, 504.4, 506.2, SECTION 506.2.1
ALLOWABLE BUILDING AREA DETERMINATION	$A_a = A_t + (N \times I_f)$ $9500 + (9500 \times .5) = 14,250$	12,126	SECTION 506.2.1
FIRE RESISTANCE RATINGS FOR BUILDING ELEMENTS			
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY STRUCTURAL MEMBERS	0 HR	0 HR	TABLE 601
PRIMARY STRUCTURAL FRAME	0 HR	0 HR	TABLE 601
NONBEARING EXTERIOR WALLS	0 HR	0 HR	TABLE 601
FLOOR CONSTRUCTION	0 HR	0 HR	TABLE 601
ROOF CLASSIFICATION/ THERMAL			
ROOF R-VALUE	R-30ci	R-30ci	TABLE C402.1.3
ROOF ASSEMBLY CLASSIFICATION	UL CLASS A	UL CLASS A	CT SCHOOL CONSTRUCTION STANDARDS- SECTION 7250
STRUCTURAL			
RISK CATEGORY	3	3	TABLE 1604.5
GROUND SNOW LOAD	30 LB/SF	30 LB/SF	FIGURE 1608.2 (2)
BASIC DESIGN WIND SPEED	135 MPH	135 MPH	FIGURE 1609.3(2)
WIND UPLIFT PRESSURES			
FIELD	35 PSF	35 PSF	ASCE 7-16
PERIMETER	51.1 PSF	51.1 PSF	ASCE 7-16
CORNER	61.2 PSF	61.2 PSF	ASCE 7-16

LEGEND	
	ROOF AREA TO BE REPLACED
	ROOF NOT IN SCOPE



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SCHOOL -
AQUATIC CENTER
ROOF REPLACEMENT,
30 CHESTERFIELD ROAD
EAST LYME, CT 06333

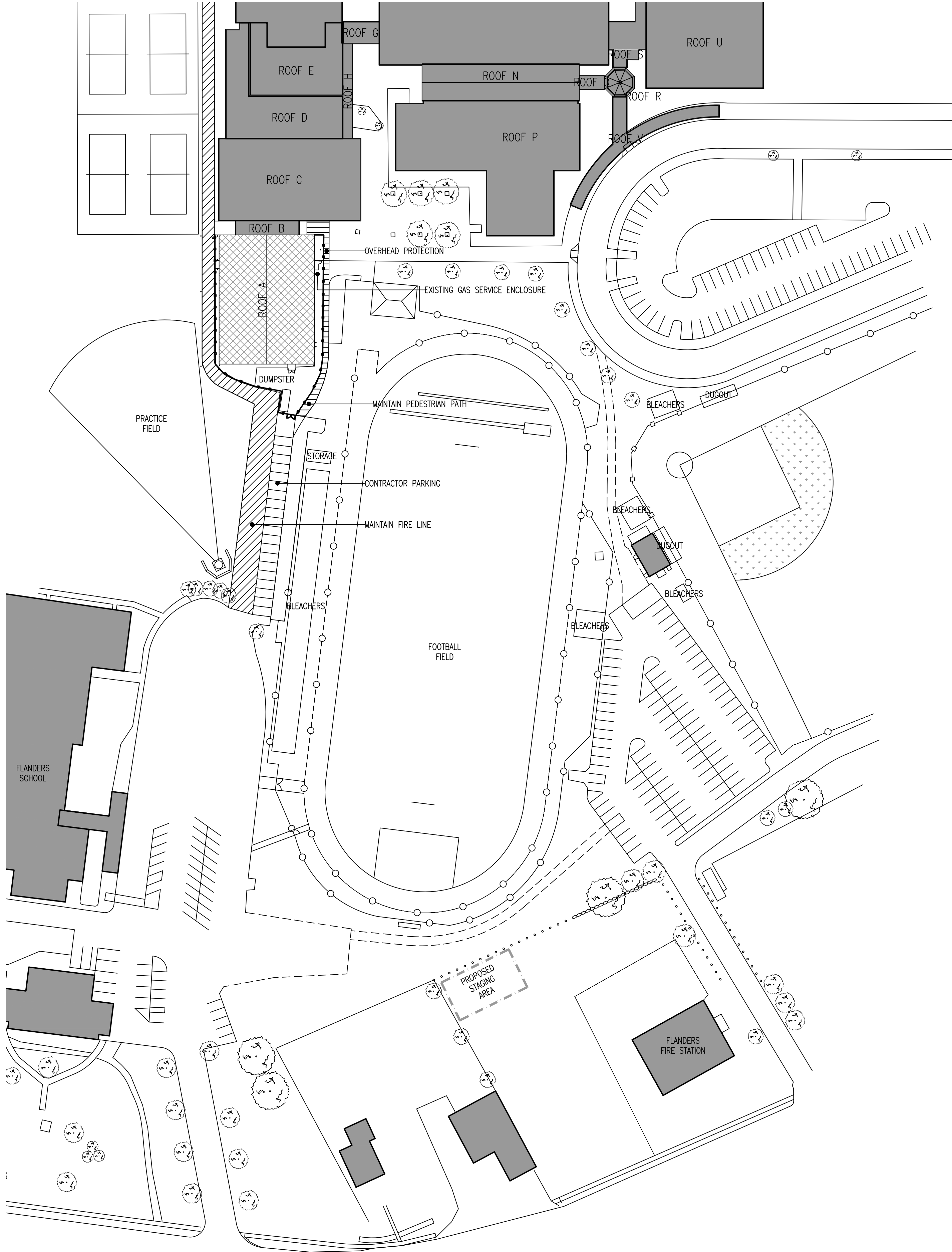
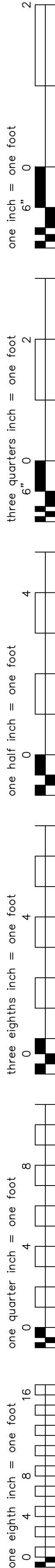
ROOF KEY PLAN

PROJECT NO.:	2745-02	SCALE:	1/32" = 1'-0"
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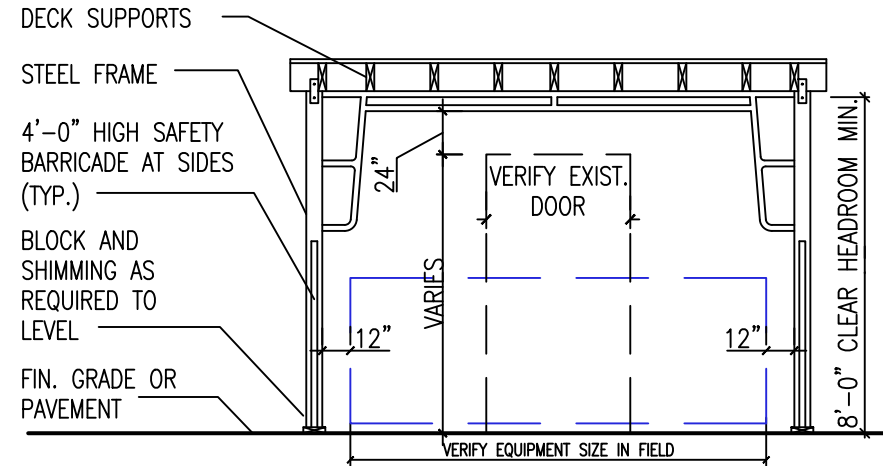
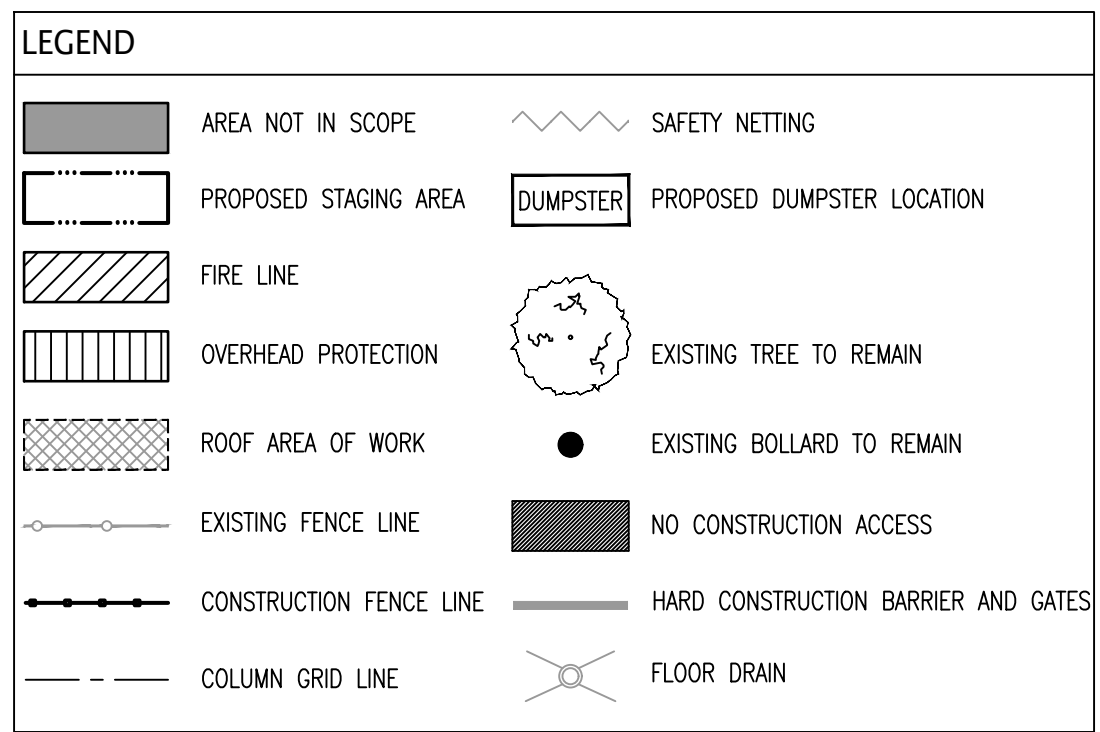
DRAWING NO.:

A001

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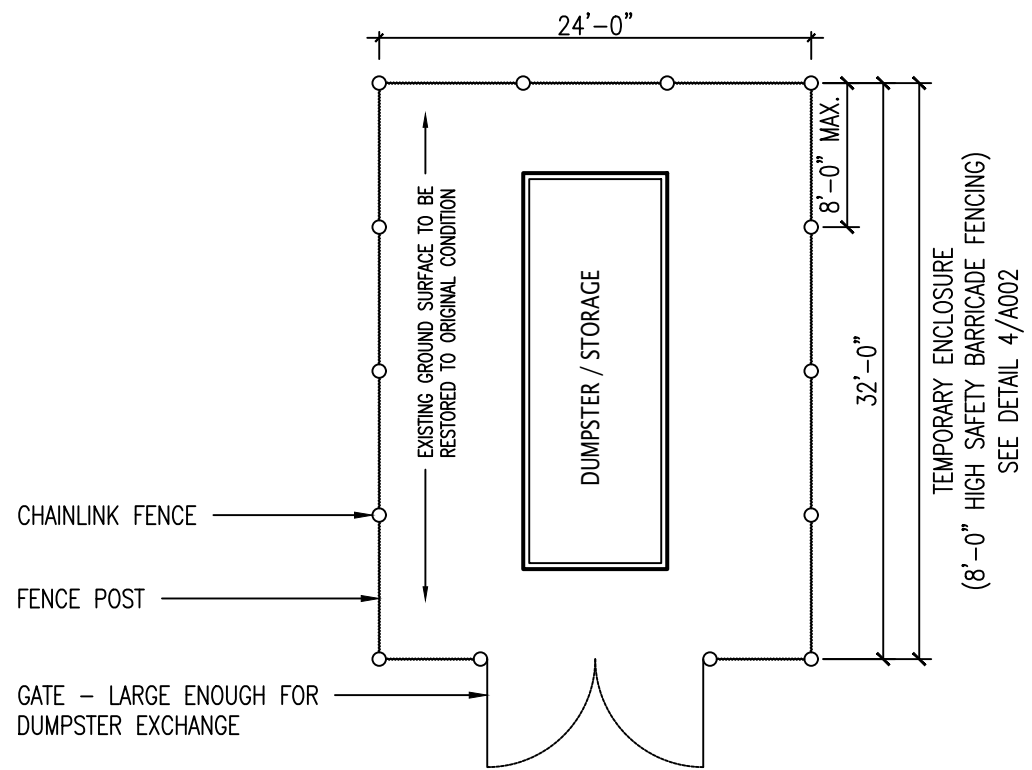


1 SITE PLAN
SCALE: 1/64" = 1'-0"



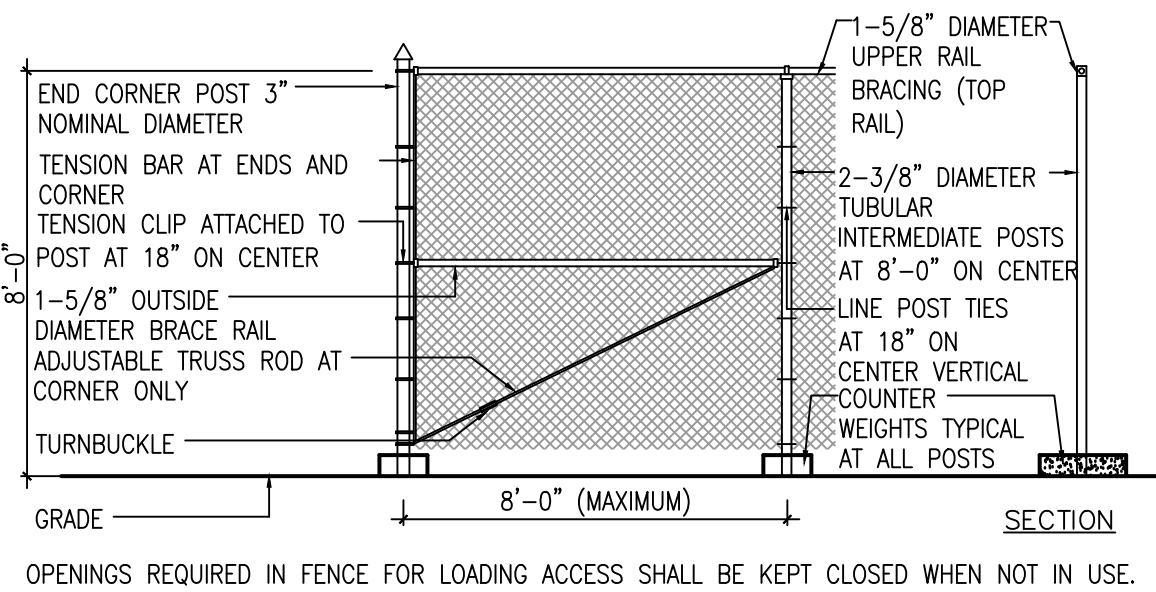
- DESIGN AND ERECTION OF PROTECTION BARRIER IS THE RESPONSIBILITY OF THE CONTRACTOR.
- DESIGN SHALL BE TAMPER PROOF AND INACCESSIBLE TO THE PUBLIC AND MUST BE SECURE
- CONTRACTOR IS RESPONSIBLE TO OBTAIN AND PAY FOR PERMITS AND APPROVALS FROM ALL AGENCIES.
- PROVIDE SHOP DRAWINGS OF PROTECTION BARRIER WITH REQUIRED SAFETY STANDARDS INCLUDING ALL DEAD, LIVE AND WIND LOADS.
- SHOP DRAWINGS SHALL BEAR THE SEAL AND SIGNATURE A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF CONNECTICUT

2 OVERHEAD PROTECTION DETAIL
SCALE: 1/4" = 1'-0"



- LAYOUT IS DIAGRAMMATIC ONLY AND FOR REFERENCE ONLY. SIZE OF DUMPSTER/ STORAGE ENCLOSURE TO BE COORDINATED
- CONTRACTOR TO CONFIRM FINAL LAYOUT AND COORDINATE WITH OWNER'S REPRESENTATIVE
- FINAL LOCATION OF STAGING AREA SUBJECT TO REVIEW AND APPROVAL CUNY.
- RESTORE GROUND COVER AT STAGING AREA AND OUTSIDE STAGING, WHERE ACCESS TO STAGING MAY BE DAMAGED DURING THE COURSE OF CONSTRUCTION.

3 STAGING AREA DETAIL
SCALE: 3/32" = 1'-0"

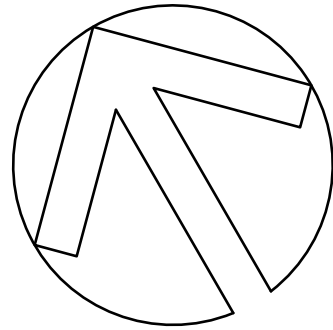


4 TEMPORARY FENCE DETAIL
SCALE: 1/4" = 1'-0"

Lothrop
Associates Architects D.P.C. P.C.

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EAST LYME, CT 06333**

SITE PLAN

PROJECT NO.: 2745-02 SCALE: -

DRAWING NO.:

A002

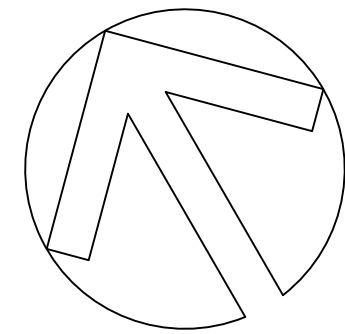


DEMOLITION FIRST FLOOR PLAN

A110

DEMOLITION FLOOR PLAN KEYED NOTES (APPLICABLE - ALL DEMOLITION PLANS)

- | | |
|-----|--|
| D1 | PROTECT POOL TANK TO REMAIN AND FINISHES. |
| D2 | PROTECT POOL AND DECK DRAINS TO REMAIN. |
| D3 | PROTECT DIVING BOARD. |
| D4 | PROTECT STARTING BLOCK. |
| D5 | REMOVE AND SALVAGE FOR REINSTALLATION BLEACHER ASSEMBLIES. |
| D6 | REMOVE AND SALVAGE FOR REINSTALLATION SCORE BOARD. |
| D7 | REMOVE AND SALVAGE FOR REINSTALLATION RECORD BOARD. |
| D8 | REMOVE AND SALVAGE FOR REINSTALLATION LAP CLOCK. |
| D9 | PROTECT POOL DECK AND GUTTER/EDGE TO REMAIN. |
| D10 | CONSTRUCTION BARRIER. |
| D11 | PROTECT FIRE DEPARTMENT CONNECTION TO REMAIN. |
| D12 | PROTECT GAS SERVICE/ENCLOSURE TO REMAIN. |
| D13 | PROTECT FLOORING TO REMAIN. |
| D14 | PROTECT EXISTING BOLLARD TO REMAIN. |
| D15 | PROTECT POOL STAIRS TO REMAIN. |
| D16 | REMOVE, SALVAGE, AND TURN OVER TO OWNER DIVING HARNESS ATTACHED TO STEEL BENT. |
| D17 | PROTECT JUDGES PLATFORM. |
| D18 | PROTECT CONCRETE SLAB. |
| D19 | PROTECT REFRIGERATOR |

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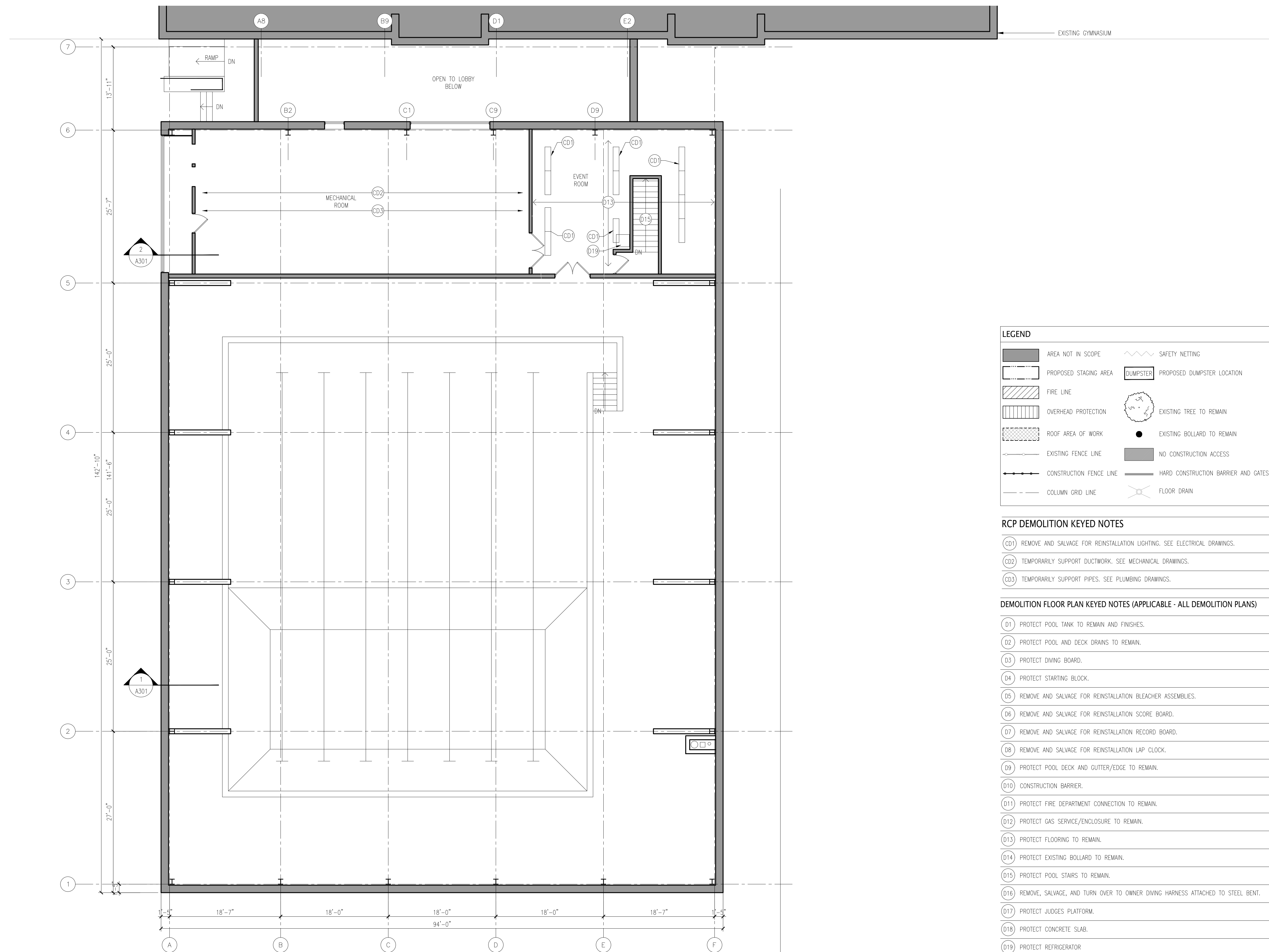
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DEMOLITION
MEZZANINE
FLOOR PLAN/CEILING PLAN

PROJECT NO.:	2745-02	SCALE:	1/8" = 1'-0"
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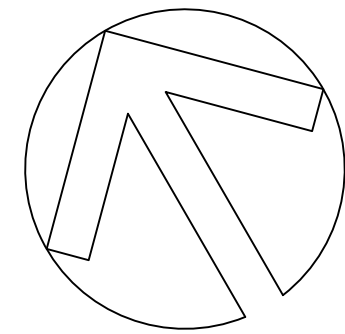
DRAWING NO.:

A110.1



1 DEMOLITION MEZZANINE FLOOR PLAN/CEILING PLAN
SCALE: 1/8" = 1'-0"

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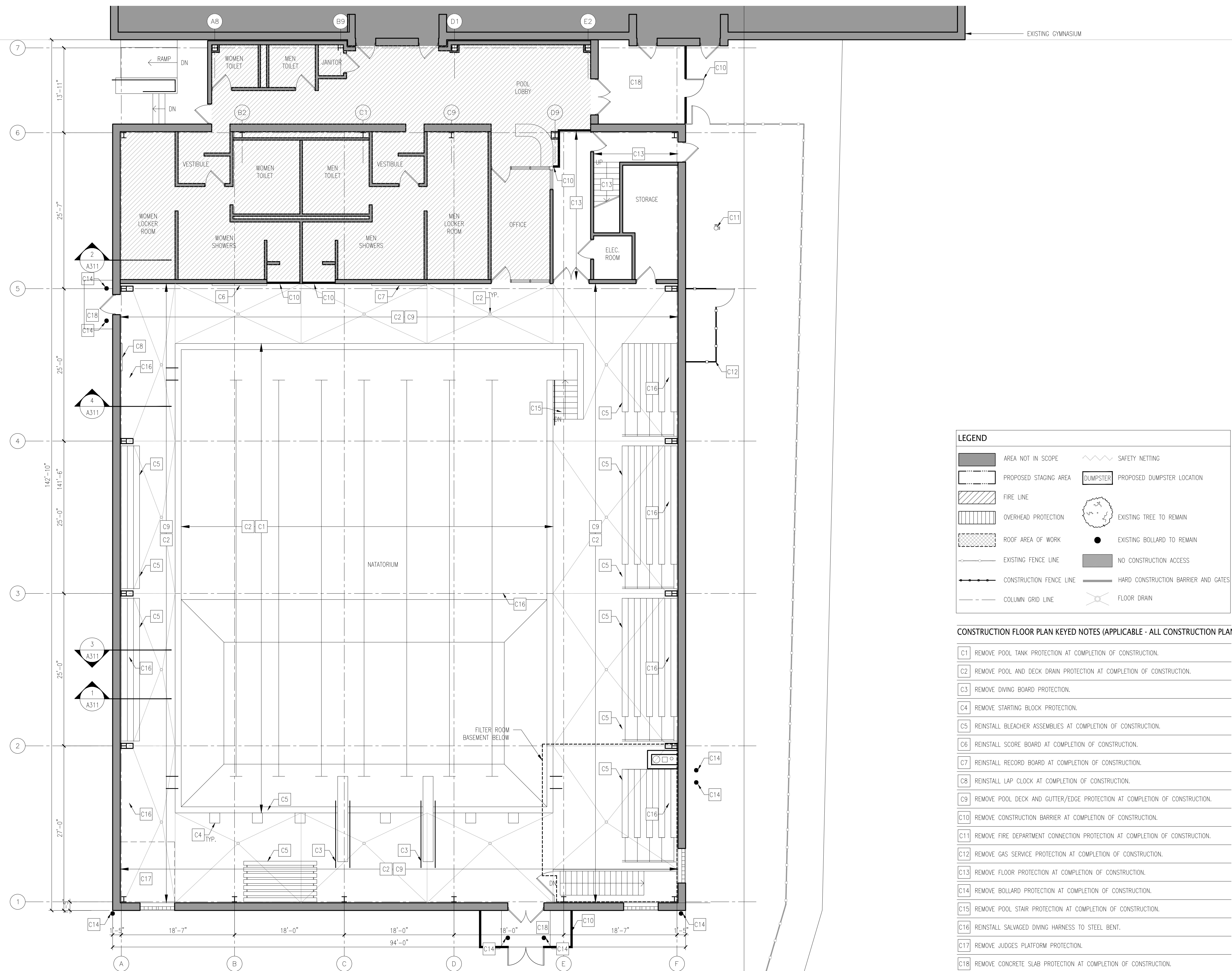
EAST LYME HIGH
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30 CHESTERFIELD ROAD
EAST LYME, CT 06333

CONSTRUCTION FIRST FLOOR PLAN

PROJECT NO.:	2745-02	SCALE:	1/8" = 1'-0"
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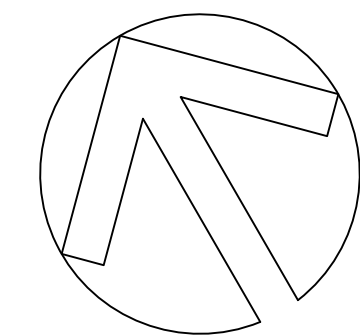
DRAWING NO.:

A111



1 CONSTRUCTION FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

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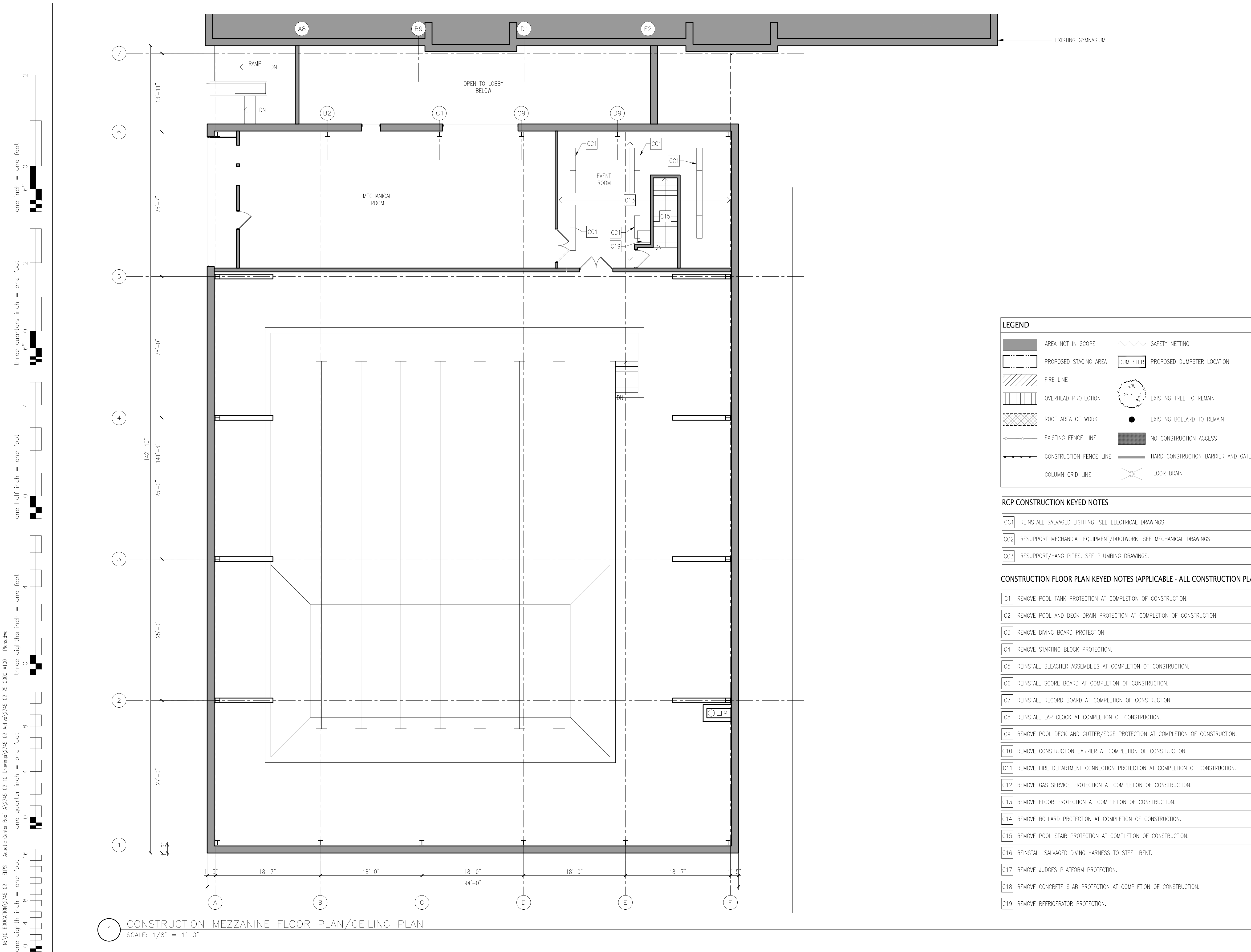
EAST LYME HIGH
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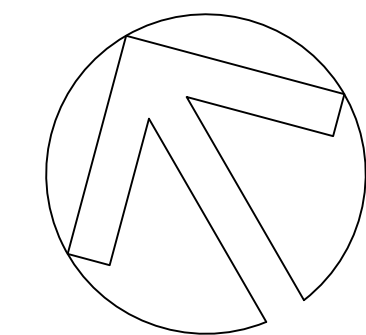
CONSTRUCTION
MEZZANINE
FLOOR PLAN/CEILING PLAN

PROJECT NO.:	2745-02	SCALE:	1/8" = 1'-0"
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DRAWING NO.:

A111.1



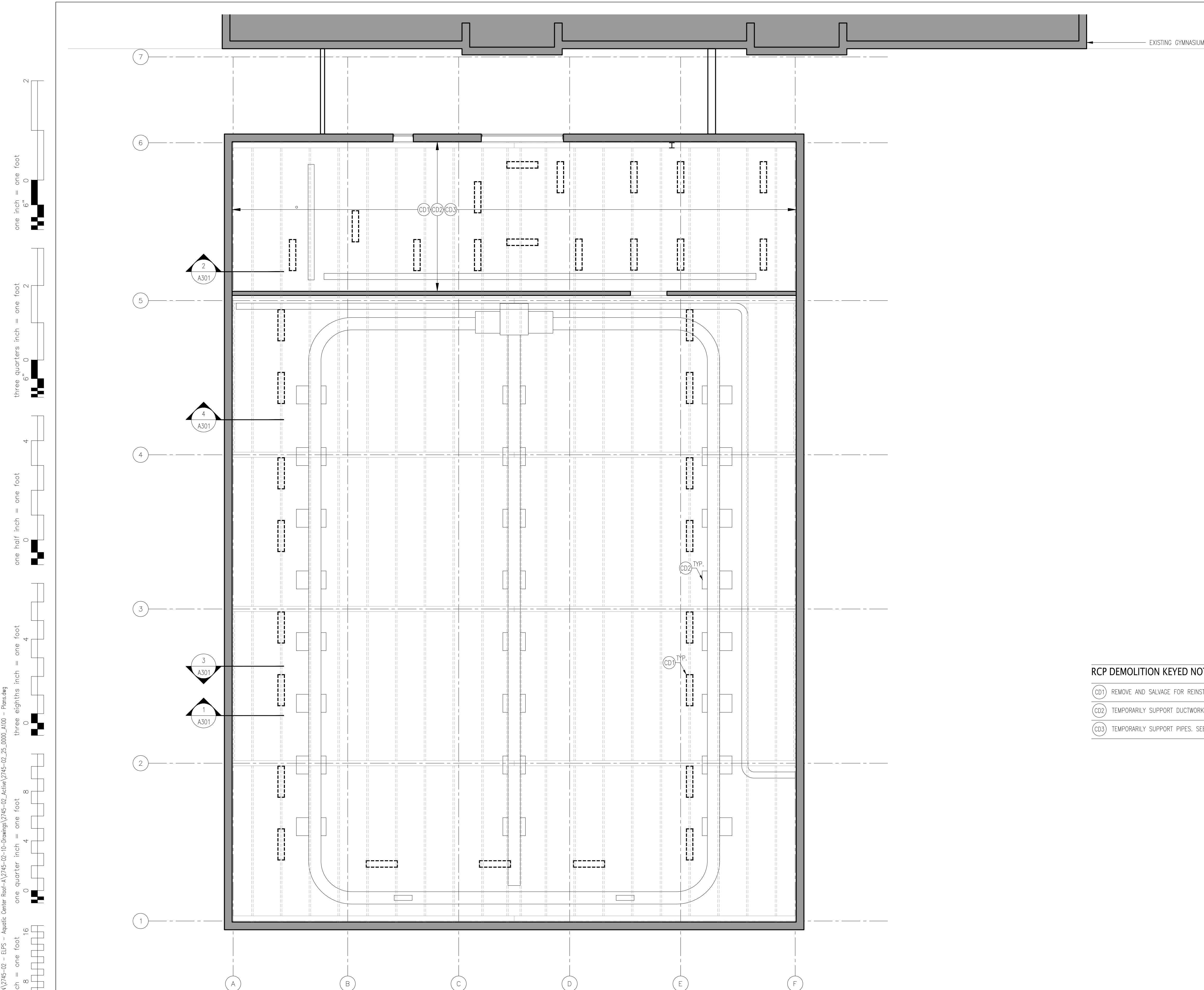
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EAST LYME HIGH
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DEMOLITION
REFLECTED CEILING PLAN

PROJECT NO.:	2745-02	SCALE:	1/8" = 1'-0"
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A112



1 DEMOLITION REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

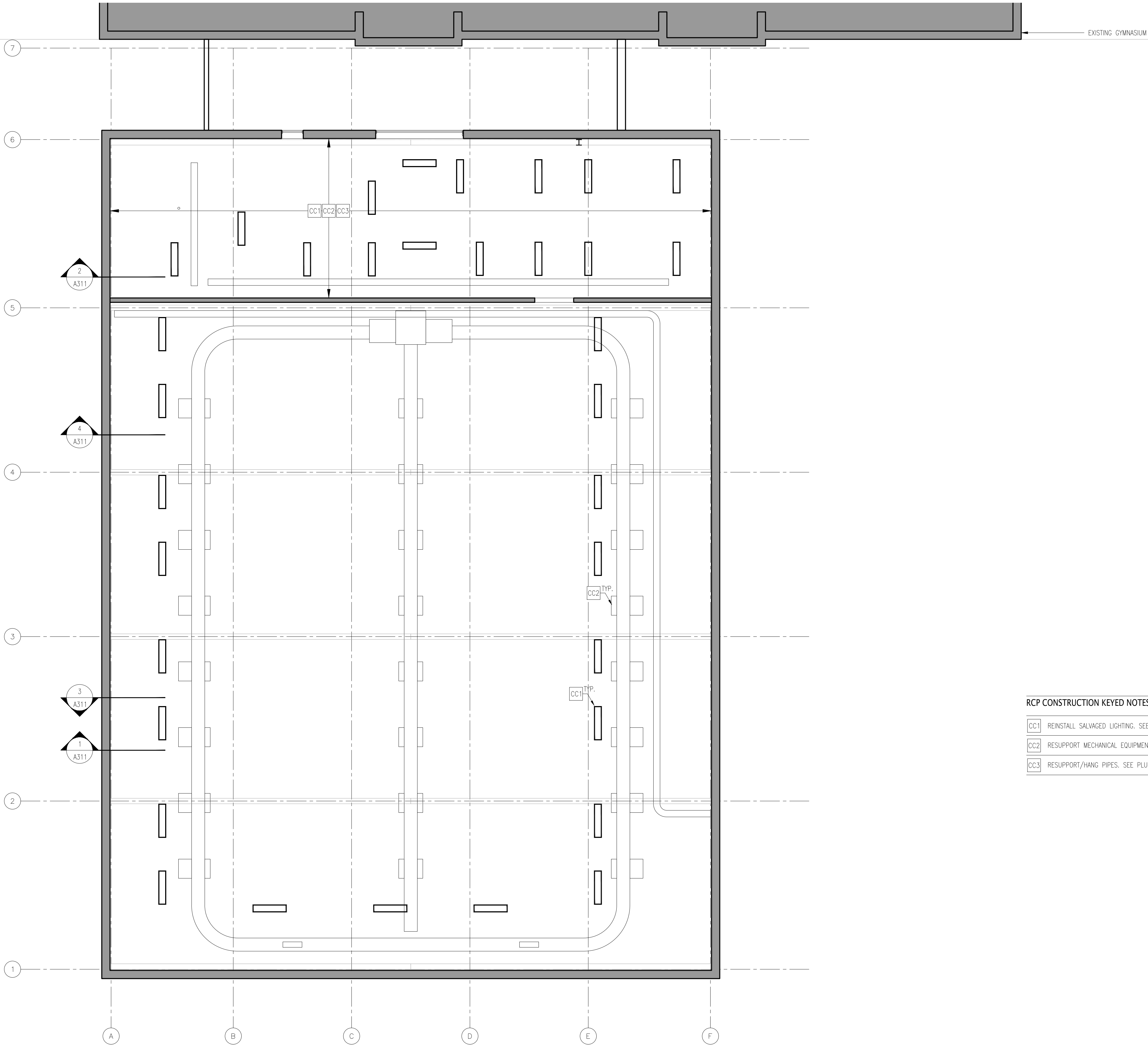
RCP DEMOLITION KEYED NOTES

- | | |
|-------|--|
| (CD1) | REMOVE AND SALVAGE FOR REINSTALLATION LIGHTING. SEE ELECTRICAL DRAWINGS. |
| (CD2) | TEMPORARILY SUPPORT DUCTWORK. SEE MECHANICAL DRAWINGS. |
| (CD3) | TEMPORARILY SUPPORT PIPES. SEE PLUMBING DRAWINGS. |

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one eighth inch = one foot
0 4 8 16
one quarter inch = one foot
0 4 8
one eighth inch = one foot
0 4 8
one half inch = one foot
0 4
three eighths inch = one foot
0 4
one half inch = one foot
0 4
three quarters inch = one foot
0 6
one inch = one foot
0 6

1 CONSTRUCTION REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



RCP CONSTRUCTION KEYED NOTES

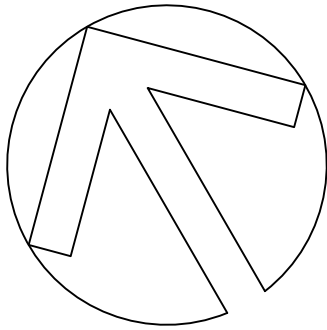
- CC1 REINSTALL SALVAGED LIGHTING. SEE ELECTRICAL DRAWINGS.
- CC2 RESUPPORT MECHANICAL EQUIPMENT/DUCTWORK. SEE MECHANICAL DRAWINGS.
- CC3 RESUPPORT/HANG PIPES. SEE PLUMBING DRAWINGS.



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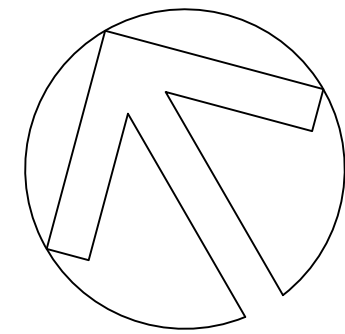
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CONSTRUCTION
REFLECTED CEILING PLAN

PROJECT NO.: 2745-02 SCALE: 1/8" = 1'-0"

DRAWING NO.:

A113

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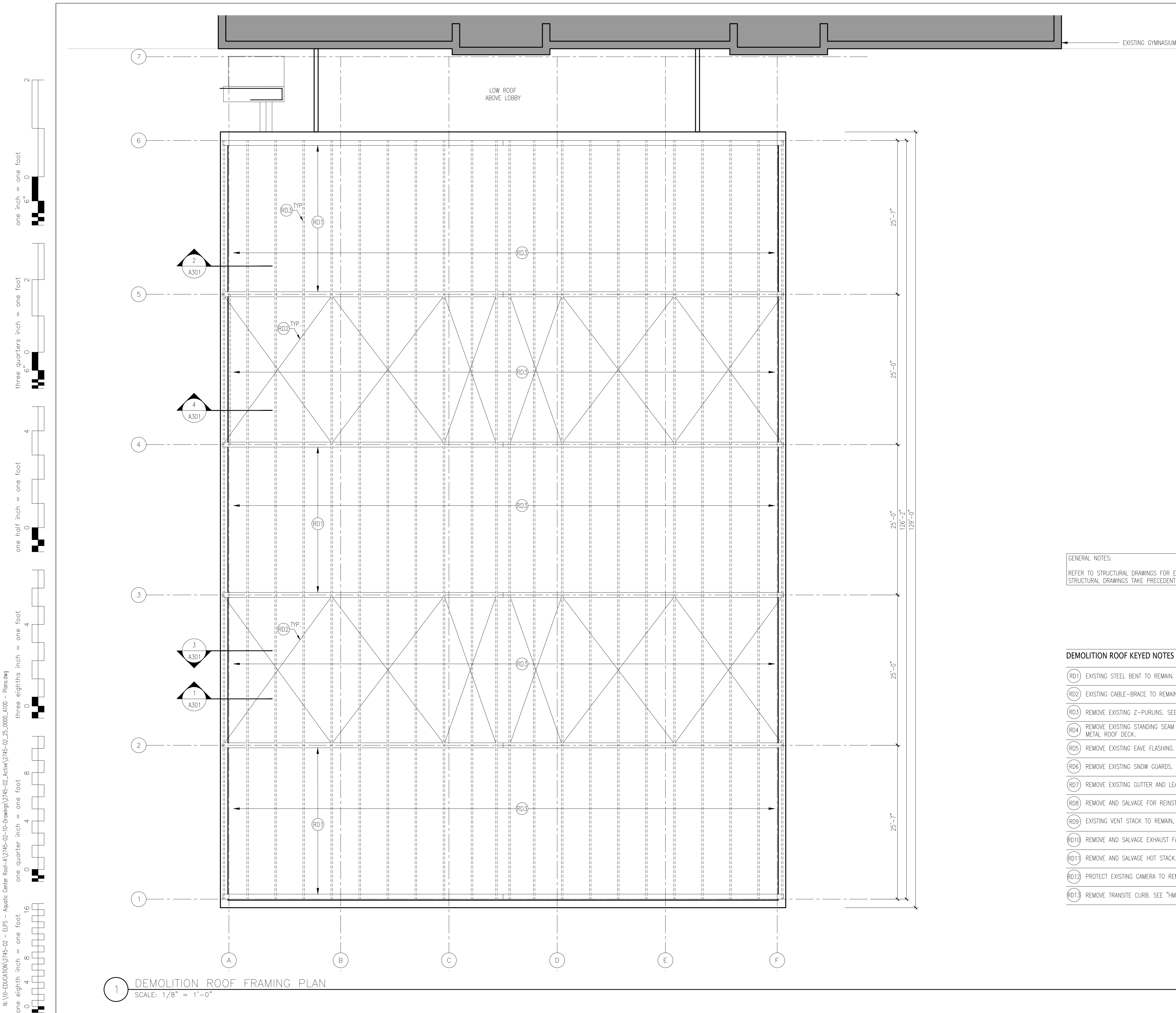
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DEMOLITION ROOF FRAMING PLAN

PROJECT NO.:	2745-02	SCALE:	1/8" = 1'-0"
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DRAWING NO.:

A120.1



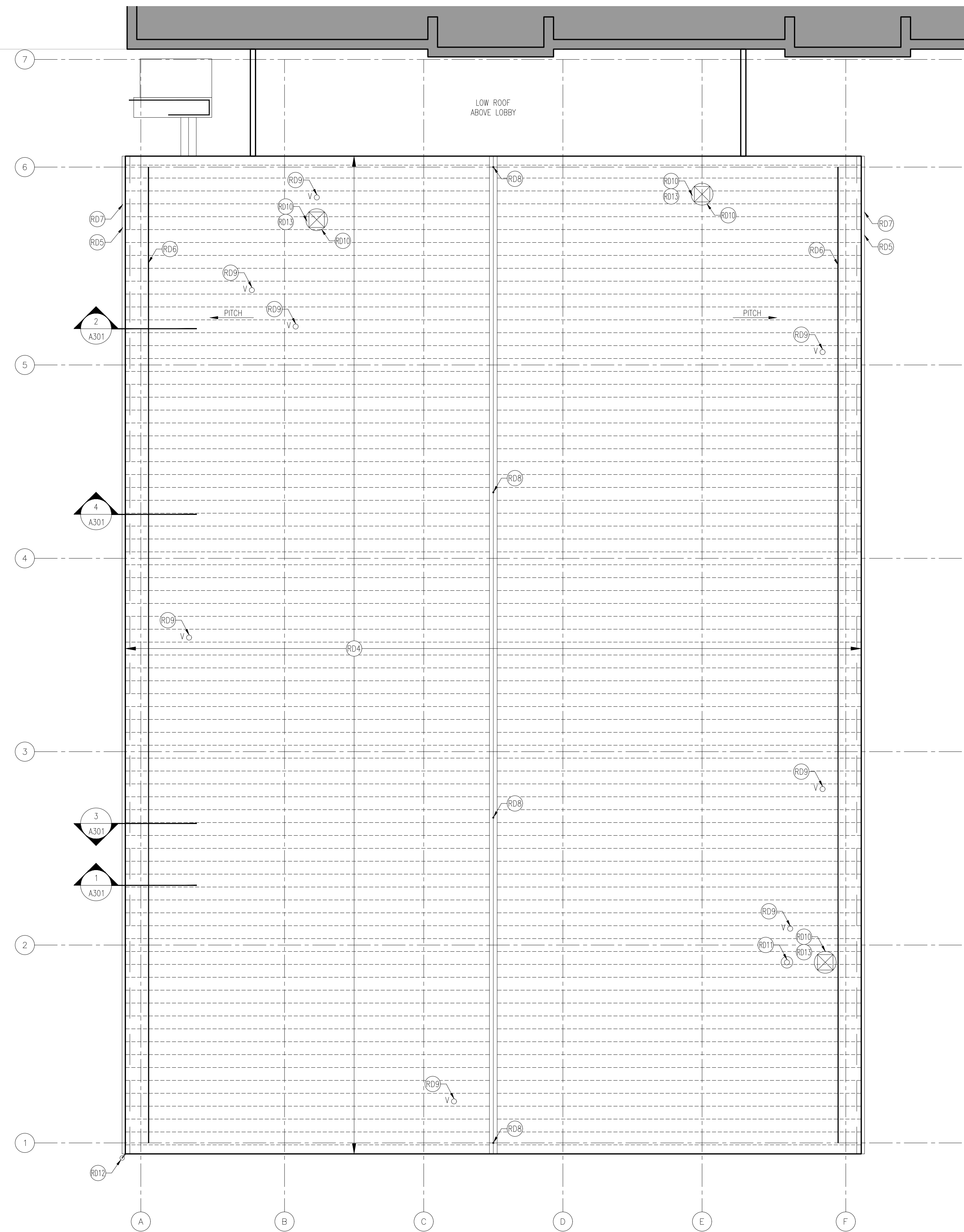
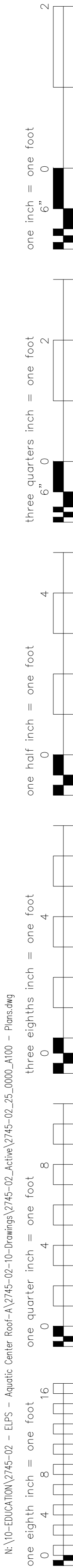
GENERAL NOTES:

REFER TO STRUCTURAL DRAWINGS FOR EXTENT OF REMOVALS.
STRUCTURAL DRAWINGS TAKE PRECEDENT.

DEMOLITION ROOF KEYED NOTES (APPLICABLE - ALL DEMOLITION PLANS)

- | | |
|------|---|
| RD1 | EXISTING STEEL BENT TO REMAIN. SEE STRUCTURAL DRAWINGS. |
| RD2 | EXISTING CABLE-BRACE TO REMAIN. |
| RD3 | REMOVE EXISTING Z-PURLINS. SEE STRUCTURAL DRAWINGS. |
| RD4 | REMOVE EXISTING STANDING SEAM METAL ROOF SYSTEM, INSULATION AND STRUCTURAL METAL ROOF DECK. |
| RD5 | REMOVE EXISTING EAVE FLASHING. SEE 1/A501 DETAIL. |
| RD6 | REMOVE EXISTING SNOW GUARDS. |
| RD7 | REMOVE EXISTING GUTTER AND LEADER. |
| RD8 | REMOVE AND SALVAGE FOR REINSTALLATION LIGHTNING PROTECTION SYSTEM. |
| RD9 | EXISTING VENT STACK TO REMAIN, REMOVE FLASHING. |
| RD10 | REMOVE AND SALVAGE EXHAUST FAN. SEE MECHANICAL DRAWINGS. |
| RD11 | REMOVE AND SALVAGE HOT STACK. SEE MECHANICAL DRAWINGS. |
| RD12 | PROTECT EXISTING CAMERA TO REMAIN. |
| RD13 | REMOVE TRANSITE CURB. SEE "HM" SPECIFICATION. |

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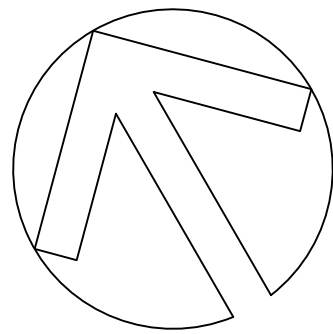
ROOF DEMOLITION TAG LEGEND

- EXISTING TO REMAIN
- EXISTING TO REMOVE
- EXISTING COLUMN GRID
- EXISTING EXHAUST VENT
- EXISTING VENT
- EXISTING LIGHTNING PROTECTION ROD
- EXISTING SNOW GUARD
- DEMOLITION NOTE TAG
- ROOF SLOPE

DEMOLITION ROOF KEYED NOTES (APPLICABLE - ALL DEMOLITION PLANS)

- (RD1) EXISTING STEEL BENT TO REMAIN. SEE STRUCTURAL DRAWINGS.
- (RD2) EXISTING CABLE-BRACE TO REMAIN.
- (RD3) REMOVE EXISTING Z-PURLINS. SEE STRUCTURAL DRAWINGS.
- (RD4) REMOVE EXISTING STANDING SEAM METAL ROOF SYSTEM, INSULATION AND STRUCTURAL METAL ROOF DECK.
- (RD5) REMOVE EXISTING EAVE FLASHING. SEE 1/A501 DETAIL.
- (RD6) REMOVE EXISTING SNOW GUARDS.
- (RD7) REMOVE EXISTING GUTTER AND LEADER.
- (RD8) REMOVE AND SALVAGE FOR REINSTALLATION LIGHTNING PROTECTION SYSTEM.
- (RD9) EXISTING VENT STACK TO REMAIN, REMOVE FLASHING.
- (RD10) REMOVE AND SALVAGE EXHAUST FAN. SEE MECHANICAL DRAWINGS.
- (RD11) REMOVE AND SALVAGE HOT STACK. SEE MECHANICAL DRAWINGS.
- (RD12) PROTECT EXISTING CAMERA TO REMAIN.
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DEMOLITION
ROOF PLAN

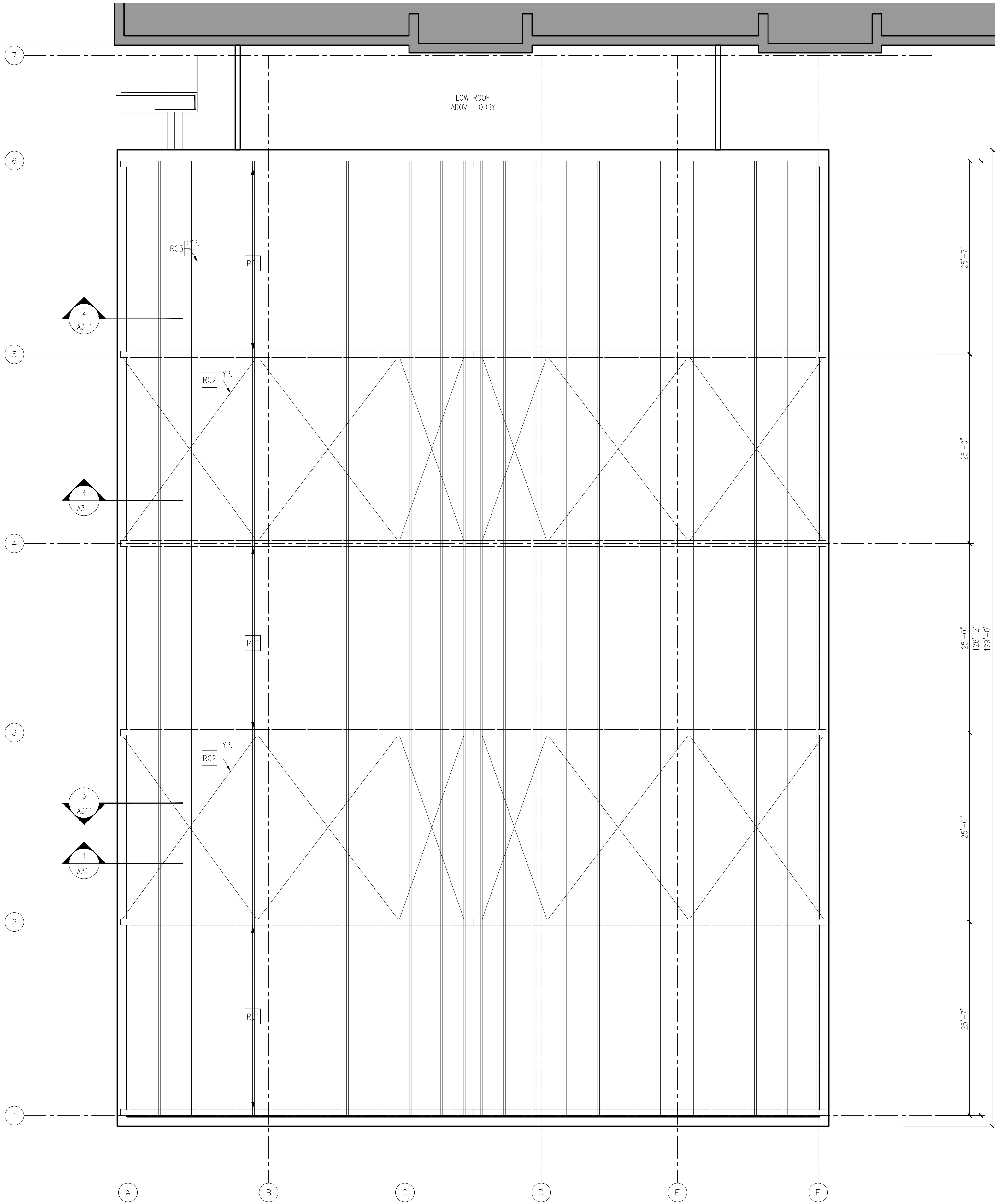
PROJECT NO.:	2745-02	SCALE:	1/8" = 1'-0"
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DRAWING NO.:

A120.2

N:\10-EDUCATION\2745-02 - ELPs - Aquatic Center Roof-A\2745-02-10-Drawings\2745-02_Active\2745-02_25_0000_A100 - Plans.dwg

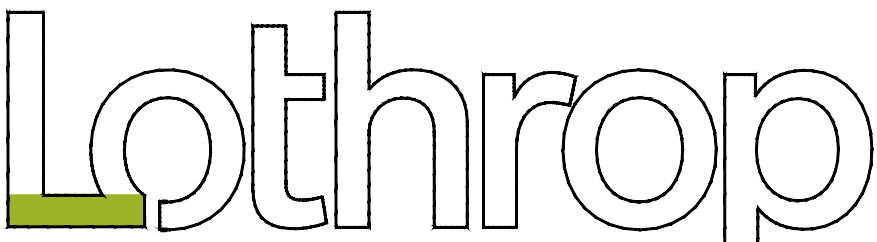
one eighth inch = one foot
0 4 8 16
one quarter inch = one foot
0 4 8
one eighth inch = one foot
0 4 8
three eighths inch = one foot
0 4
one half inch = one foot
0 4
three quarters inch = one foot
0 4 6 8
one inch = one foot
0 6 12



GENERAL NOTES:
REFER TO STRUCTURAL DRAWINGS FOR FOR STEEL MEMBERS
AND STEEL DECK INFORMATION. STRUCTURAL DRAWINGS TAKE
PRECEDENT.

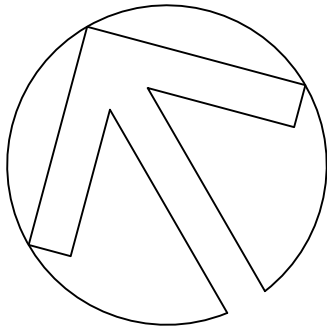
CONSTRUCTION ROOF KEYED NOTES (APPLICABLE - ALL CONSTRUCTION PLANS)	
RC1	EXISTING STEEL BENT.
RC2	EXISTING CABLE BRACE.
RC3	PURLINS. SEE STRUCTURAL DRAWINGS.
RC4	STANDING SEAM METAL ROOF SYSTEM, INSULATION AND STRUCTURAL ROOF DECK.
RC5	EAVE TRIM. SEE 2/A501.
RC6	SNOW GUARDS. SEE 3/A502.
RC7	GUTTER, LEADER AND LEADER BOOT. SEE 2/A501.
RC8	REINSTALL SALVAGED LIGHTNING PROTECTION SYSTEM. SEE ELECTRICAL DRAWINGS.
RC9	VENT STACK FLASHING. SEE 2/A502.
RC10	REINSTALL SALVAGED EXHAUST FAN. SEE 4/A502. SIM.
RC11	RIDGE COVER. SEE 5/A501.
RC12	RAKE TRIM. SEE 4/A501.
RC13	REINSTALL HOT STACK. SEE DETAILS 4 AND 5/A502.
RC14	MECHANICAL CURB. SEE 4/A502.

1 CONSTRUCTION ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"



333 Westchester Avenue
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914-741-1115

1	02/11/2026	ISSUED FOR BID
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EAST LYME HIGH
SCHOOL -
AQUATIC CENTER
ROOF REPLACEMENT,
30 CHESTERFIELD ROAD
EAST LYME, CT 06333

CONSTRUCTION ROOF
FRAMING PLAN

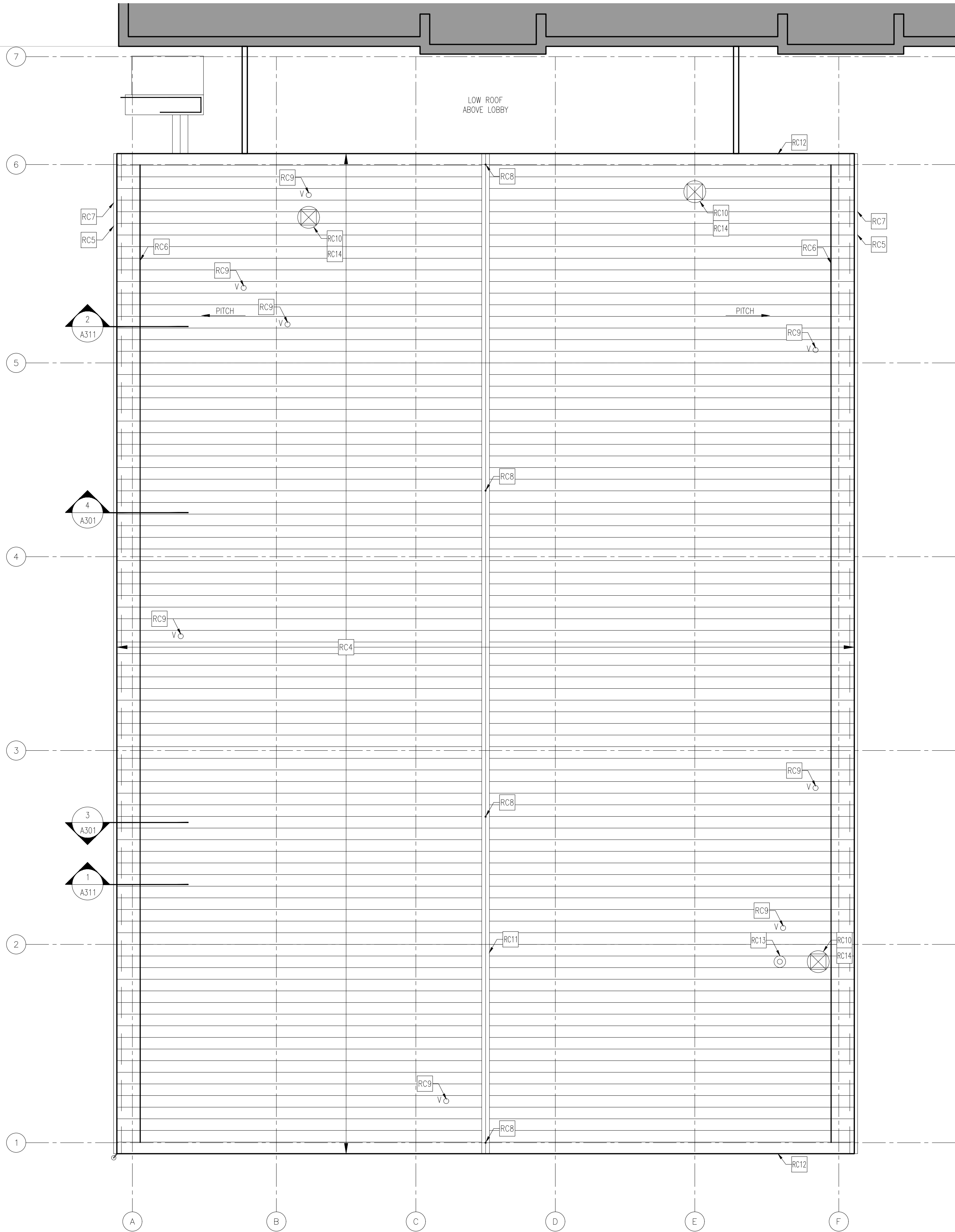
PROJECT NO.: 2745-02 SCALE: 1/8" = 1'-0"

DRAWING NO.:

A121.1

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one eighth inch = one foot
one quarter inch = one foot
three eighths inch = one foot
one half inch = one foot
three quarters inch = one foot
one inch = one foot



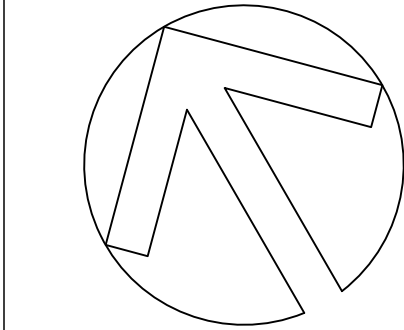
CONSTRUCTION ROOF KEYED NOTES (APPLICABLE - ALL CONSTRUCTION PLANS)

- RC1 EXISTING STEEL BENT.
- RC2 EXISTING CABLE BRACE.
- RC3 PURLINS. SEE STRUCTURAL DRAWINGS.
- RC4 STANDING SEAM METAL ROOF SYSTEM, INSULATION AND STRUCTURAL ROOF DECK.
- RC5 EAVE TRIM. SEE 2/A501.
- RC6 SNOW GUARDS. SEE 3/A502.
- RC7 GUTTER, LEADER AND LEADER BOOT. SEE 2/A501.
- RC8 REINSTALL SALVAGED LIGHTNING PROTECTION SYSTEM. SEE ELECTRICAL DRAWINGS.
- RC9 VENT STACK FLASHING. SEE 2/A502.
- RC10 REINSTALL SALVAGED EXHAUST FAN. SEE 4/A502. SIM.
- RC11 RIDGE COVER. SEE 5/A501.
- RC12 RAKE TRIM. SEE 4/A501.
- RC13 REINSTALL HOT STACK. SEE DETAILS 4 AND 5/A502.
- RC14 MECHANICAL CURB. SEE 4/A502.



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30 CHESTERFIELD ROAD
EAST LYME, CT 06333

CONSTRUCTION
ROOF PLAN

PROJECT NO.: 2745-02 SCALE: 1/8" = 1'-0"

DRAWING NO.:

A121.2

DEMOLITION SECTIONS AND INTERIOR ELEVATIONS

DRAWING NO.:

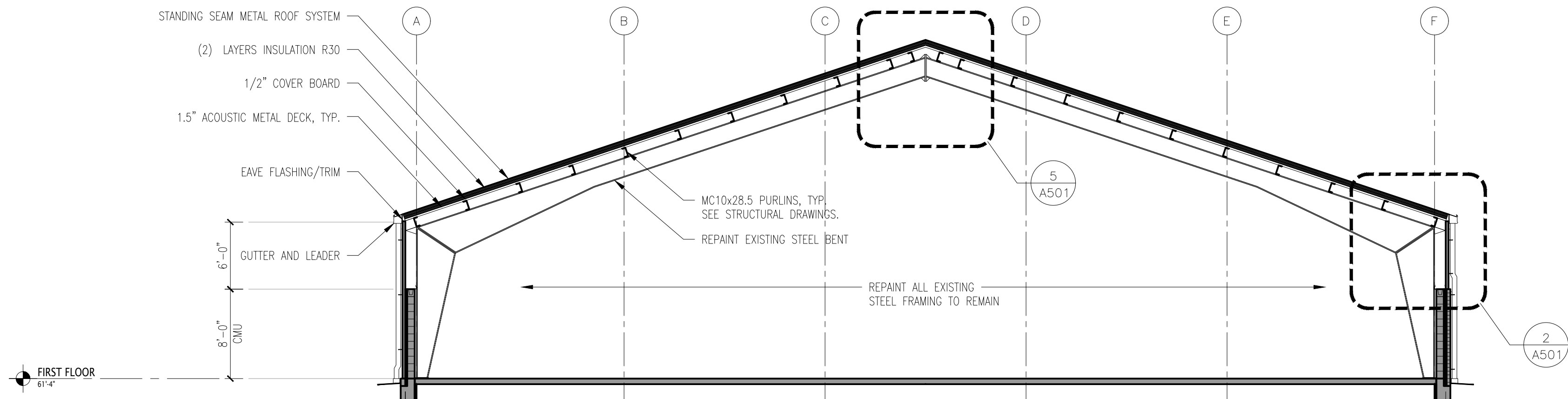
A301

GENERAL NOTES:
REFER TO STRUCTURAL DRAWINGS FOR EXTENT OF REMOVALS.
STRUCTURAL DRAWINGS TAKE PRECEDENT.

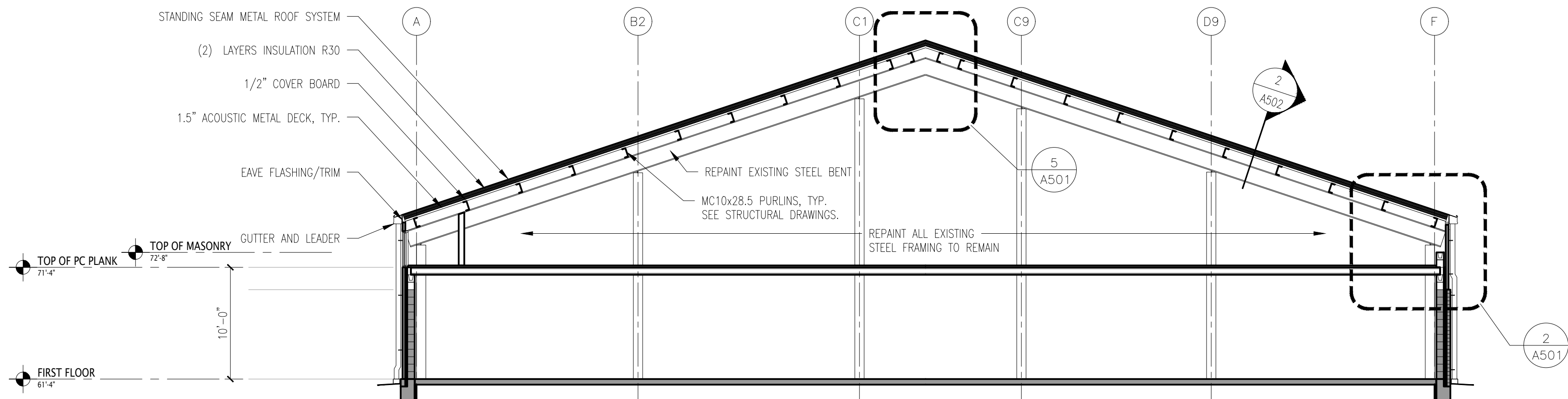


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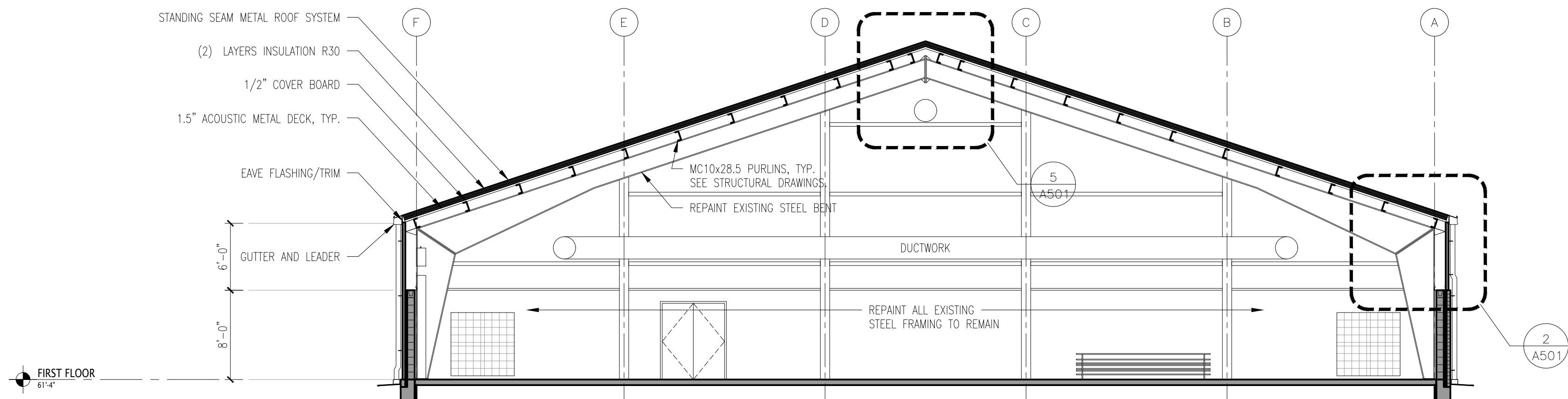
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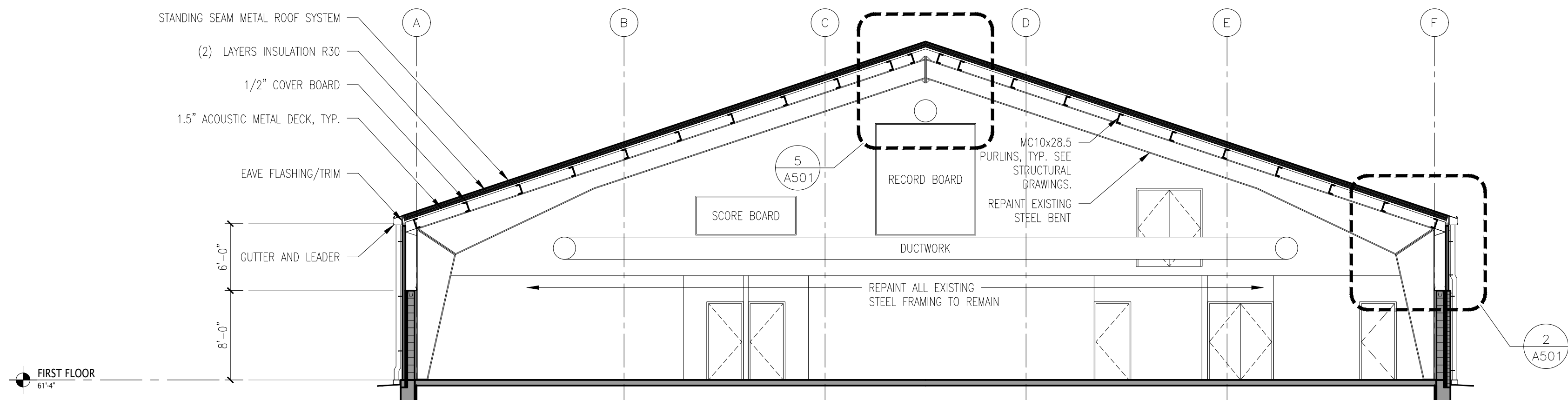
1 CONSTRUCTION SECTION (TYP.)



2 CONSTRUCTION SECTION THROUGH MEZZANINE



3 CONSTRUCTION INTERIOR ELEVATION LOOKING SOUTH



4 CONSTRUCTION INTERIOR ELEVATION LOOKING NORTH

GENERAL NOTES:

REFER TO STRUCTURAL DRAWINGS FOR FOR STEEL MEMBERS AND STEEL DECK INFORMATION. STRUCTURAL DRAWINGS TAKE PRECEDENT.

Lothrop
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EAST LYME HIGH
SCHOOL -
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ROOF REPLACEMENT,
30 CHESTERFIELD ROAD
EAST LYME, CT 06333

CONSTRUCTION SECTIONS
AND INTERIOR ELEVATIONS

PROJECT NO.: 2745-02 SCALE: 1/8" = 1'-0"

DRAWING NO.:

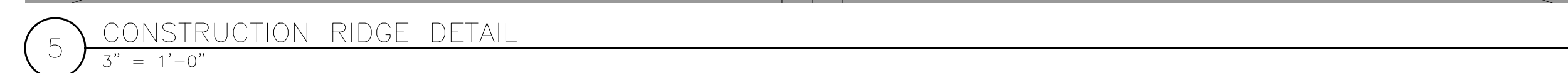
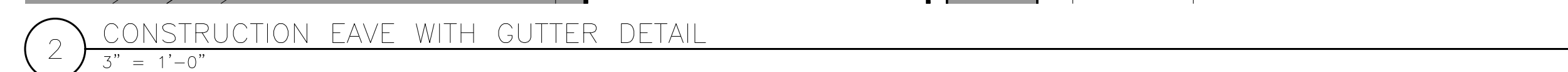
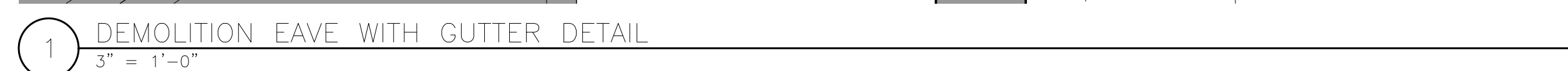
A311

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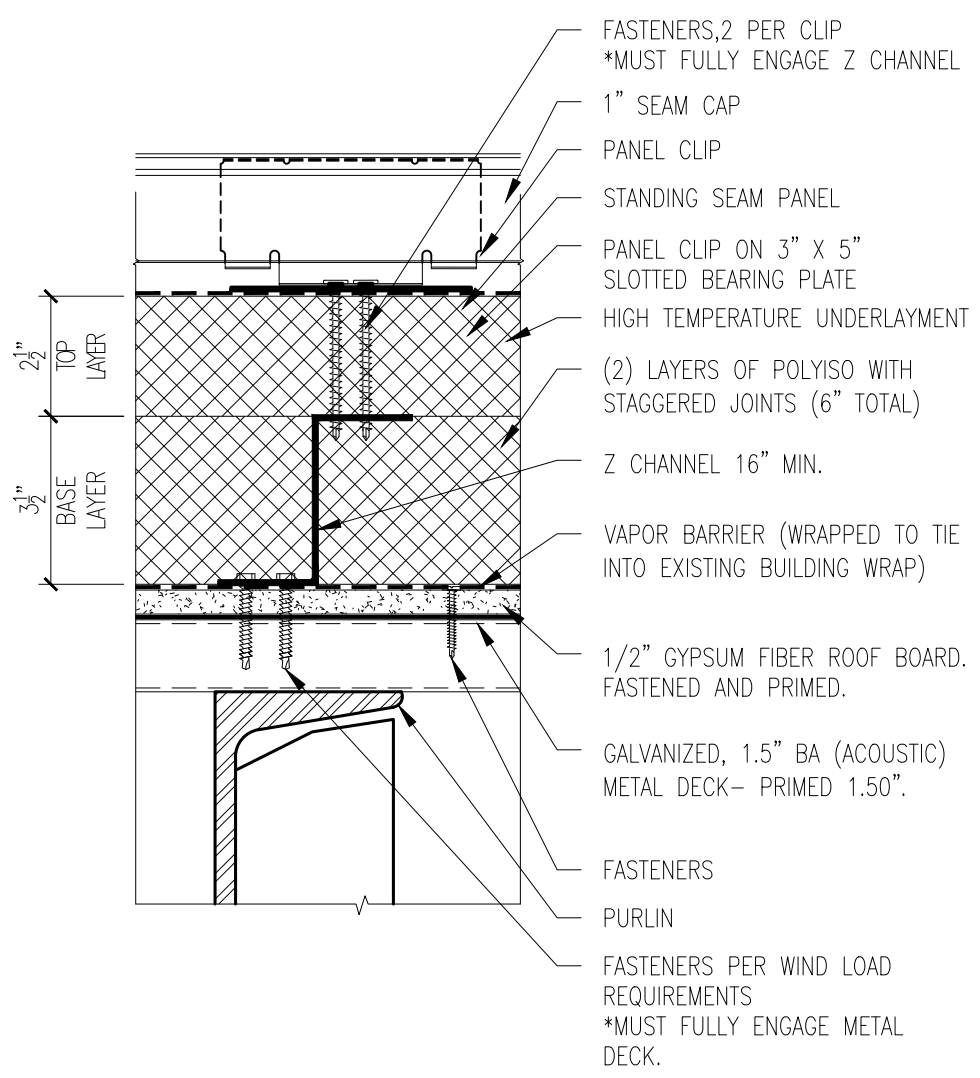
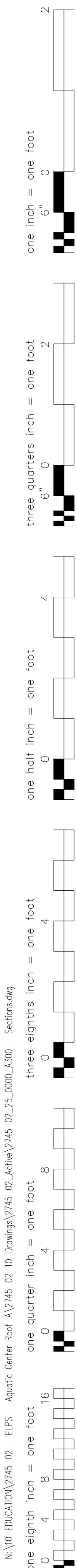
ROOF DETAILS I

DRAWING NO.:

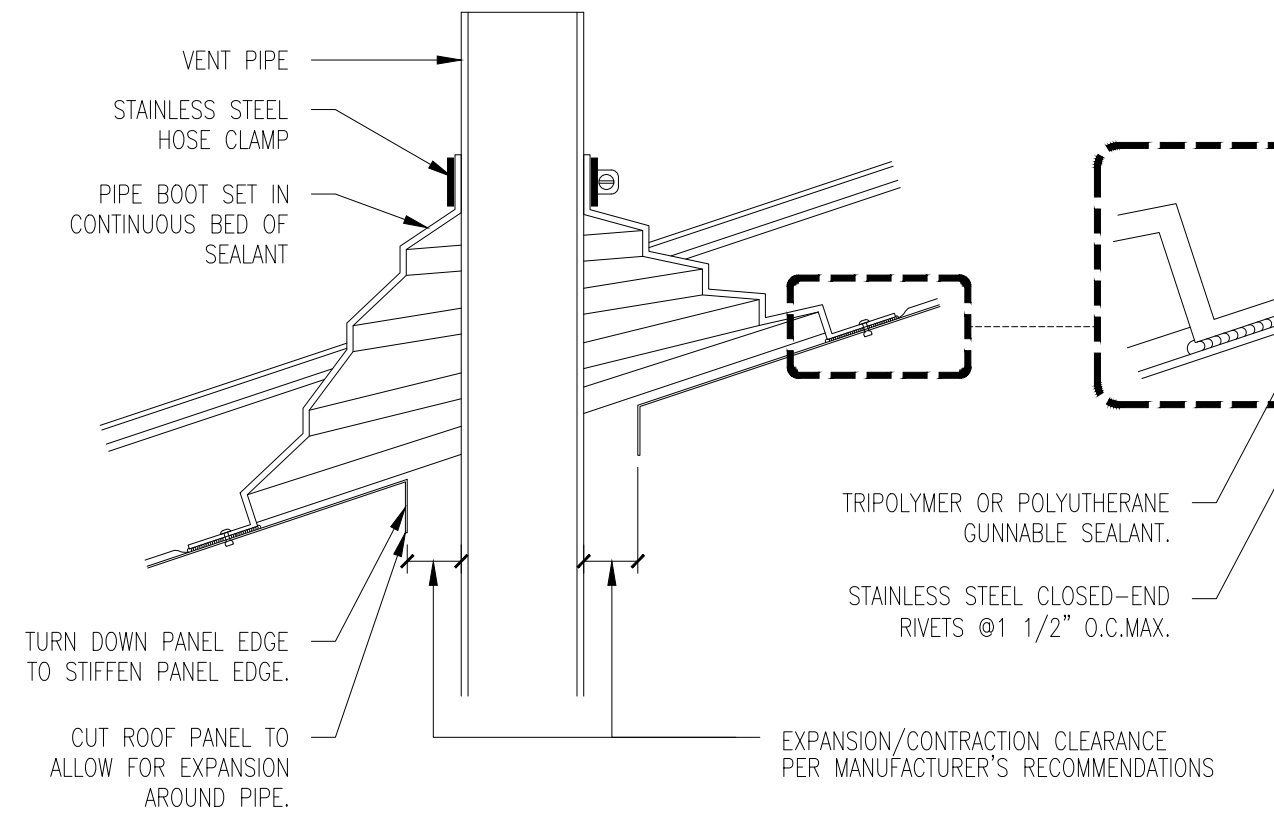
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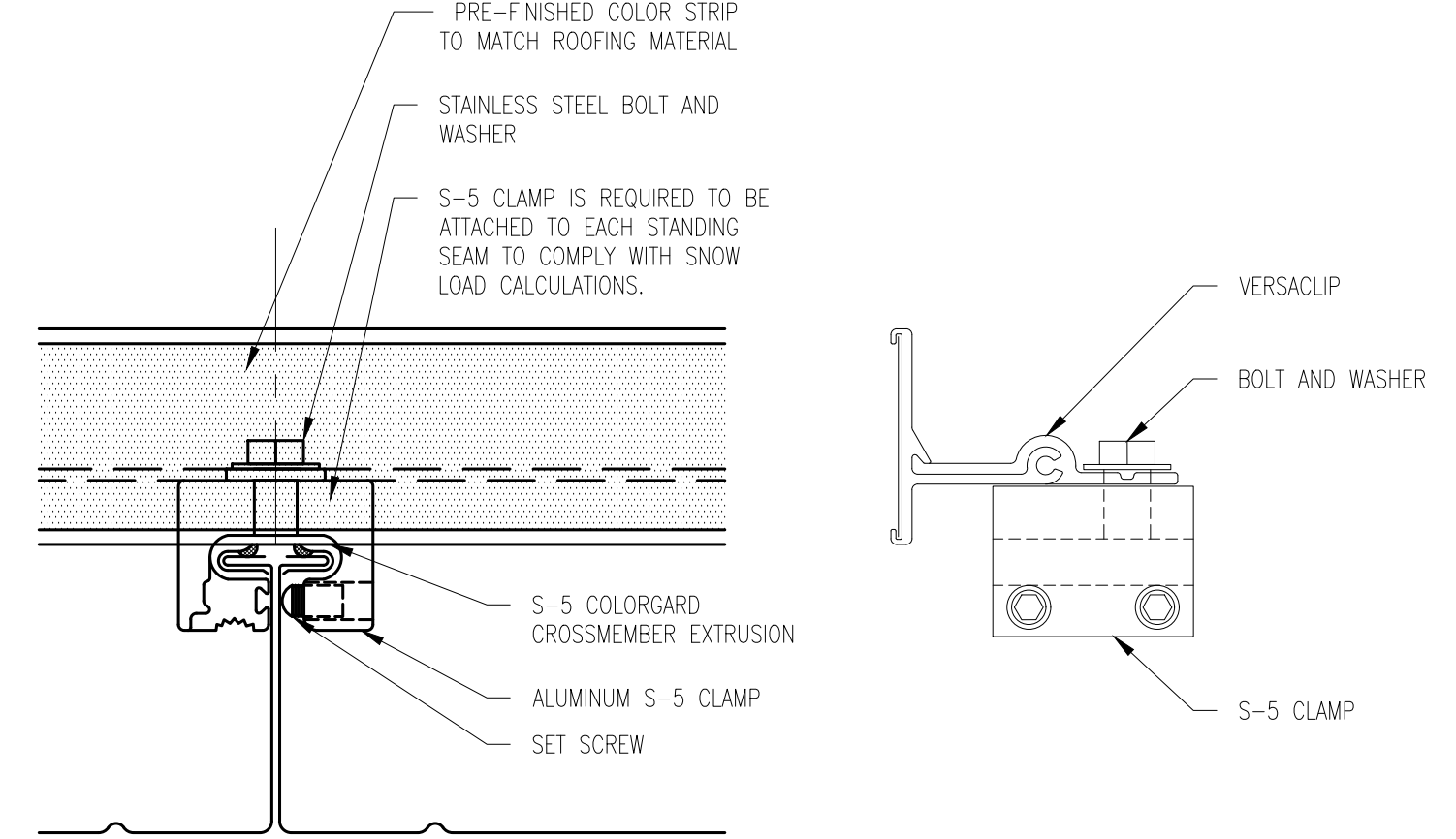
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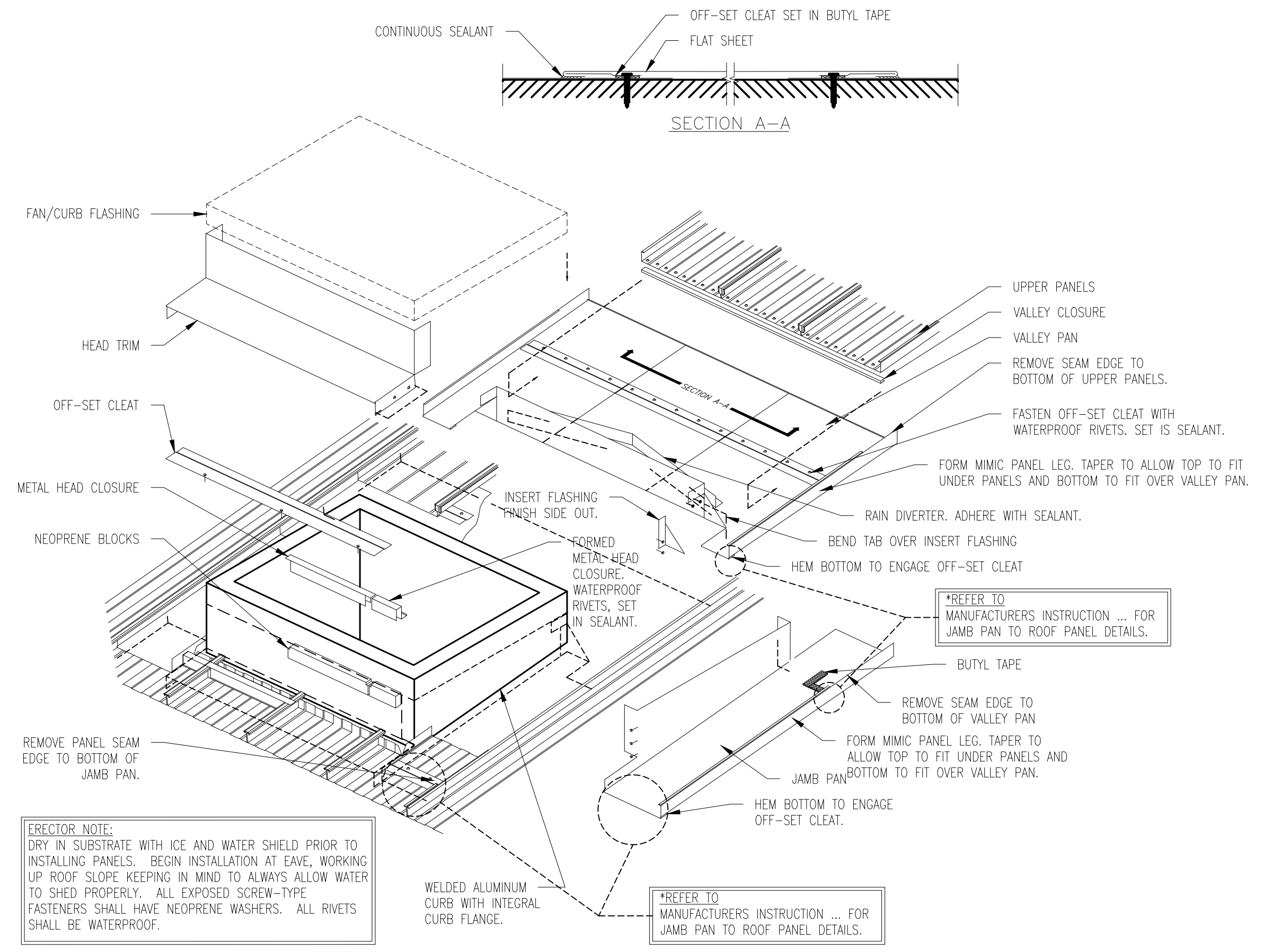
1 TYPICAL ROOF ASSEMBLY DETAIL
3" = 1'-0"



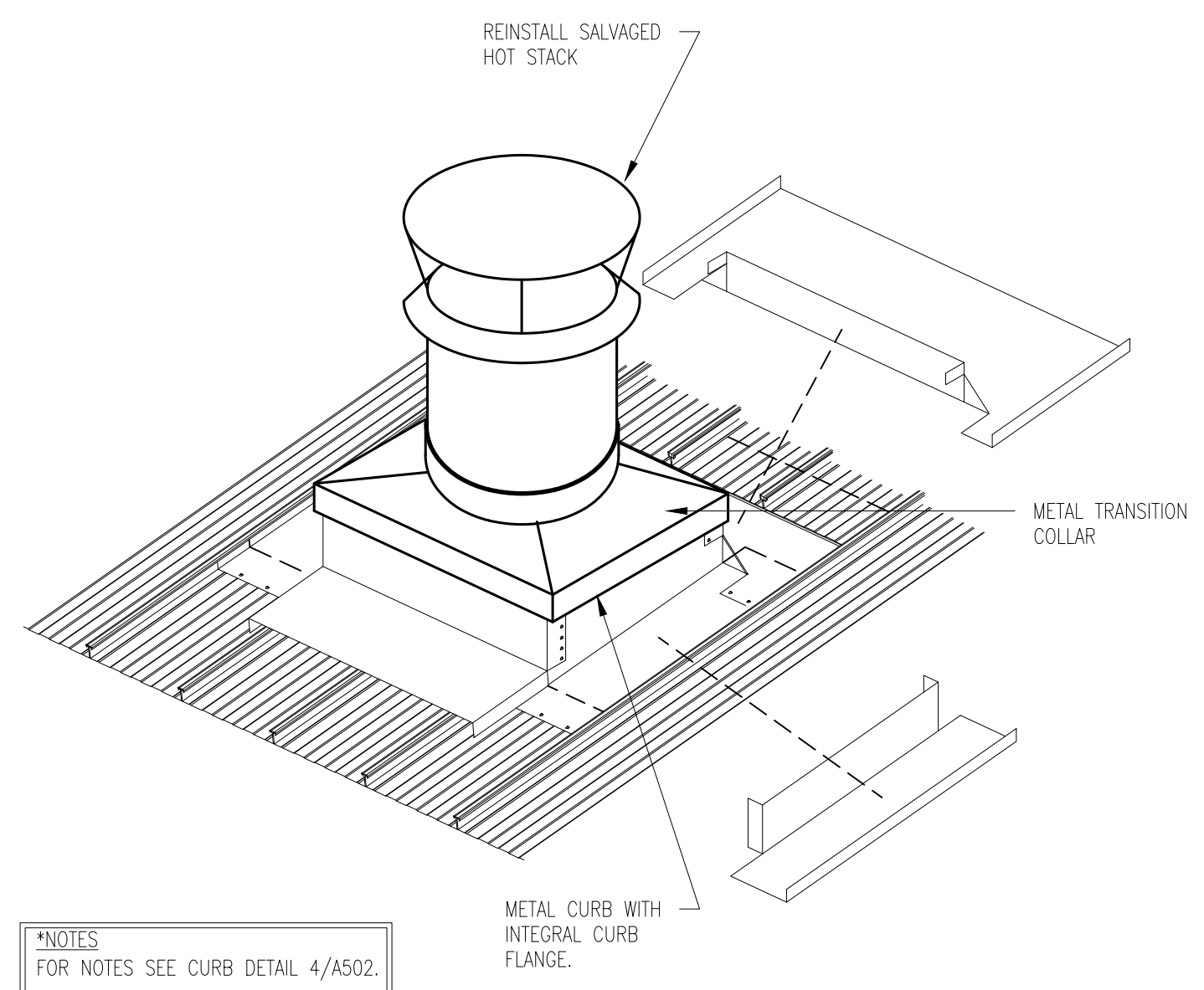
2 CONSTRUCTION VENT STACK PENETRATION DETAIL
6" = 1'-0"



3 CONSTRUCTION SNOW GUARD DETAIL
6" = 1'-0"



4 CONSTRUCTION CURB DETAIL
3" = 1'-0"



5 HOT STACK DETAIL
3" = 1'-0"

Lothrop

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1	02/11/2026	ISSUED FOR BID
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EAST LYME HIGH SCHOOL - AQUATIC CENTER
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EAST LYME, CT 06333

ROOF DETAILS II

PROJECT NO.:	2745-02	SCALE:	-
DRAWING NO.:	A502		

GENERAL STRUCTURAL NOTES

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CONNECTICUT STATE BUILDING CODE AND ITS APPLICABLE REFERENCED STANDARDS.
2. THE CONTRACTOR SHALL COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND ENGINEER OF RECORD.
3. THE CONTRACTOR SHALL COORDINATE THE SIZE AND LOCATION OF ALL SLEEVES, OPENINGS AND ANCHORAGES (INCLUDING ANCHOR BOLTS) AS REQUIRED BY ALL TRADES. OPENINGS NOT SPECIFICALLY SHOWN SHALL BE APPROVED BY THE ARCHITECT AND STRUCTURAL ENGINEER.
4. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE FOR A SAFE AND EFFICIENT METHOD OF SHORING AND / OR BRACING THE STRUCTURE DURING CONSTRUCTION. SHOULD CONSTRUCTION LOADS (MANPOWER, EQUIPMENT OR OTHERWISE) EXCEED THE 20 PSF CONSTRUCTION LIVE LOAD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING CALCULATIONS SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF CONNECTICUT. THE CONTRACTOR SHALL INCLUDE ALL COSTS ASSOCIATED WITH TEMPORARY LOADS DURING CONSTRUCTION.
5. ALL WORK SHALL BE CONTINUOUSLY MONITORED AND INSPECTED BY AN INDEPENDENT TESTING AGENCY REFER TO SPECIAL INSPECTION NOTES ON SHEET S002. SUBMIT ALL TEST AND INSPECTION REPORTS TO THE ARCHITECT & ENGINEER FOR REVIEW.
6. STRUCTURAL MEMBERS SHALL NOT BE MODIFIED IN THE FIELD WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER. IN THE EVENT OF A CONSTRUCTION OR FABRICATION ERROR, THE CONTRACTOR SHALL PREPARE A SKETCH WITH A PROPOSED REPAIR, AND SUBMIT IT TO THE ARCHITECT AND ENGINEER OF RECORD FOR APPROVAL PRIOR TO PERFORMING ANY CORRECTIVE WORK.
7. SUBMIT SHOP DRAWINGS FOR REVIEW, APPROVAL, AND RETURN (FOR ALL TRADES INDICATED HEREIN) PRIOR TO PROCEEDING WITH FABRICATION AND / OR CONSTRUCTION. CONTRACTOR SHALL ALLOW FOR A 15 DAY DESIGN TEAM REVIEW PERIOD AS PER PROJECT SPECIFICATIONS. USE OR MODIFICATION OF THE CONTRACT DRAWINGS ARE NOT ACCEPTABLE AS SHOP DRAWINGS AND SHALL BE REJECTED WITHOUT REVIEW.
8. IN ANY CASE OF CONFLICT BETWEEN THE NOTES, DETAILS AND SPECIFICATIONS, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN. CONTRACTOR SHALL MAKE NO DEVIATION FROM CONTRACT DOCUMENTS WITHOUT WRITTEN APPROVAL OF THE ARCHITECT AND STRUCTURAL ENGINEER.
9. JOB SAFETY AND CONSTRUCTION PROCEDURES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
10. ALL COSTS OF INVESTIGATION AND / OR REDESIGN, DUE TO CONTRACTOR MISLOCATION OF STRUCTURAL ELEMENTS OR OTHER LACK OF CONFORMANCE WITH THE PROJECT DOCUMENTS, SHALL BE AT THE CONTRACTOR'S EXPENSE.
11. THESE DRAWINGS REPRESENT THE COMPLETED PROJECT WHICH HAS BEEN DESIGNED FOR THE WEIGHTS OF THE MATERIALS INDICATED ON THE DRAWINGS AND FOR THE SUPERIMPOSED LOADS INDICATED IN THE DESIGN DATA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALLOWABLE CONSTRUCTION LOADS AND TO PROVIDE PROPER DESIGN AND CONSTRUCTION OF FALSEWORK, FORMWORK, STAGINGS, BRACING, SHEETING AND SHORING, ETC.
12. TYPICAL DETAILS APPLY REPETITIVELY ON THE PROJECT. CONTRACTOR SHALL COORDINATE THE GENERAL REQUIREMENTS OF TYPICAL DETAILS WITH PROJECT CONDITIONS, PLANS, SPECIFICATIONS, AND SECTIONS.
13. THE PLAN AND DETAILS HEREIN ARE BASED ON LIMITED SITE OBSERVATIONS AND EXISTING DRAWINGS. ANY DISCREPANCIES BETWEEN THE EXISTING FIELD CONDITIONS AND THE DRAWINGS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND STRUCTURAL ENGINEER.

DESIGN DATA:

- | | | |
|----|--|--|
| | <u>SUPERIMPOSED DEAD LOAD</u> | |
| | A. ROOF 15 PSF | |
| 2. | <u>ROOF LIVE LOAD</u> | |
| | A. OCCUPANCY / USE (UNIFORM) 20 PSF | |
| | B. OCCUPANCY / USE (CONCENTRATED) 300 LBS | |
| 3. | <u>ROOF SNOW LOAD DATA</u> | |
| | A. GROUND SNOW LOAD, P_g 30 PSF | |
| | B. FLAT ROOF SNOW LOAD, P_f 30 PSF + APPLICABLE DRIFT | |
| | C. SNOW EXPOSURE FACTOR, C_e 1.0 | |
| | D. SNOW LOAD IMPORTANCE FACTOR, I_s 1.1 | |
| | E. THERMAL FACTOR, C_t 1.0 | |
| | F. SLOPE FACTOR, C_s 1.0 | |
| 4. | <u>WIND DESIGN DATA</u> | |
| | A. BASIC WINDSPEED, V_{ult} 135 MPH (3-SEC. GUST) | |
| | B. NOMINAL WINDSPEED, V_{std} 105 MPH (3-SEC. GUST) | |
| | C. RISK CATEGORY III | |
| | D. WIND EXPOSURE CATEGORY B | |
| | E. INTERNAL PRESSURE COEFFICIENT, $G C_{pi}$ +/- 0.18 | |
| | F. BASE PRESSURE, C_p 25 PSF | |
| | G. NET UPLIFT ON ROOF (SERVICE) 18 PSF | |
| | H. COMPONENTS AND CLADDING LOADS SEE FIGURE ON NEXT SHEET | |
| 5. | <u>EARTHQUAKE DESIGN DATA</u> | |
| | A. MODIFICATIONS PROPOSED DO NOT CHANGE MASS OF BUILDING BY MORE THAN 10%, AND
THUS NO LATERAL SEISMIC LOAD ANALYSIS PERFORMED | |
| 6. | <u>SPECIAL LOADS</u> | |
| | A. ROOFTOP MECHANICAL EQUIPMENT SEE ROOF PLAN | |
| 7. | <u>CONSTRUCTION LOAD DATA</u> | |
| | A. UNIFORM CONSTRUCTION LOAD 20 PSF | |
| | B. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE FOR A SAFE AND EFFICIENT
METHOD OF SHORING AND / OR BRACING THE STRUCTURE DURING CONSTRUCTION.
SHOULD CONSTRUCTION LOADS (MANPOWER, EQUIPMENT OR OTHERWISE) EXCEED THE
UNIFORM CONSTRUCTION LOAD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR
SUBMITTING CALCULATIONS SIGNED AND SEALED BY A REGISTERED PROFESSIONAL
ENGINEER LICENSED IN THE STATE OF CONNECTICUT. THE CONTRACTOR SHALL CARRY
ALL COSTS ASSOCIATED WITH TEMPORARY LOADS DURING CONSTRUCTION. | |

STRUCTURAL STEEL:

- ALL WORK SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATIONS AND ITS CODE OF STANDARD PRACTICE.
2. GENERAL
- A. PERMANENT FRAMING AND FINAL CONNECTION DETAILS ARE SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ERECTION SEQUENCES, MEANS, AND METHODS, AND FOR THE DESIGN OF TEMPORARY LATERAL AND VERTICAL BRACING. TEMPORARY BRACING SHALL REMAIN IN PLACE UNTIL THE COMPLETE VERTICAL AND LATERAL FORCE RESISTING SYSTEMS HAVE BEEN INSTALLED.
- B. PROVIDE ACCESS FOR INSPECTION OF ALL SHOP AND FIELD CONNECTIONS FOR PROPER MATERIALS AND WORKMANSHIP.
- C. WELDING ELECTRODES, WELDING PROCESS, MINIMUM PREHEAT AND INTERPASS TEMPERATURES SHALL BE IN ACCORDANCE WITH THE AISC AND AWS SPECIFICATIONS. ANY STRUCTURAL STEEL DAMAGED IN WELDING IS TO BE REPLACED OR REINFORCED AS ACCEPTABLE TO THE STRUCTURAL ENGINEER.
- D. WELDERS SHALL HAVE CURRENT EVIDENCE OF PASSING THE APPROPRIATE AWS QUALIFICATION TESTS. THE ENGINEER MAY REQUEST SUCH EVIDENCE AT ANY TIME DURING THE PROJECT.
- E. THE CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER OF ANY FABRICATION OR ERECTION ERRORS OR DEVIATIONS AND SHALL RECEIVE WRITTEN APPROVAL BEFORE ANY FIELD CORRECTIONS ARE MADE.
- F. STEEL FRAMED OPENINGS FOR ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND OTHER ITEMS HAVE BEEN SHOWN BASED ON DESIGN DRAWINGS THAT WERE COORDINATED FOR THE ISSUANCE OF THE FINAL BID DOCUMENTS. THESE ITEMS ARE SHOWN TO ASSIST THE CONTRACTOR IN UNDERSTANDING THE GENERAL SCOPE OF WORK, BUT ARE NOT INTENDED TO REPRESENT EXACT LOCATIONS, QUANTITIES, OR COMPLETE EXTENT OF REQUIRED COORDINATION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THEIR WORK WITH ALL OTHER TRADES. THE CONTRACTOR SHALL PROVIDE STEEL FRAMES FOR ALL OPENINGS, REGARDLESS OF WHETHER THE OPENING IS SHOWN ON THE PLANS, AS REQUIRED BY THE TYPICAL FRAMED OPENINGS DETAIL ON THESE DRAWINGS.
- G. MATERIAL SPECIFICATIONS:
- | | |
|-----------------------------------|-----------------------------|
| a. W, WT, C, MC SHAPES | ASTM A992 (50 KSI) |
| b. S, M, HP, L SHAPES | ASTM A572, GRADE 50 |
| c. SQUARE & RECTANGULAR HSS | ASTM A500, GRADE C (50 KSI) |
| d. ROUND HSS | ASTM A500, GRADE C (46 KSI) |
| e. MISC. PLATES & BARS | ASTM A36 |
| f. BOLTS | ASTM A325 |
- H. THE TOTAL LOAD HUNG FROM ANY BEAM FOR MEP DUCTWORK, PIPING ETC. SHALL NOT EXCEED THE TOTAL LOAD RESULTING FROM AN EQUIVALENT UNIFORM LOAD OF 5 PSF APPLIED TO THE BEAM TRIBUTARY AREA. THE CONTRACTOR SHALL COORDINATE THE LOADS OF ALL TRADES AND PROVIDE ADDITIONAL SUPPORT OR DISTRIBUTION FRAMING AS REQUIRED SUCH THAT THE TOTAL LOAD TO EACH BEAM REMAINS WITHIN THIS LIMIT.
- I. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS, MECHANICAL DRAWINGS AND DRAWINGS RELATED TO OTHER TRADES. THE GENERAL CONTRACTOR IS RESPONSIBLE TO CHECK AND COORDINATE DIMENSIONS, CLEARANCES, ETC., WITH THE WORK OF THE OTHER TRADES.
- J. SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION.
3. CONNECTIONS
- A. UNLESS OTHERWISE NOTED, ALL "SIMPLY SUPPORTED" PURLIN CONNECTIONS SHALL FOLLOW THE "TYPICAL PURLIN CONNECTION DETAIL" ON SHEET S200. FOR CONNECTIONS NOT COVERED BY THE TYPICAL DETAIL, OR ALTERNATE CONNECTIONS PREFERRED BY THE FABRICATOR, THE DESIGN OF THESE CONNECTIONS SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER WORKING FOR THE STEEL FABRICATOR PER AISC CODE OF STANDARD PRACTICE, SECTION 3.1.1 OPTION 3.
- B. FOR ALL MOMENT CONNECTIONS OR BRACED FRAME CONNECTIONS THE DESIGN OF THESE CONNECTIONS SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER WORKING FOR THE STEEL FABRICATOR PER AISC CODE OF STANDARD PRACTICE, SECTION 3.1.1 OPTION 3.
- C. UNLESS OTHERWISE NOTED, REACTIONS INDICATED ON FRAMING PLANS ARE BASED ON UNFACTORED LOADS (ASD). THESE CONNECTIONS SHALL BE DESIGNED BY THE STEEL FABRICATOR TO SUPPORT THE REACTION INDICATED.
- D. PROVIDE NO LESS THAN 3/16" WELDS. FOR EDGES OF MATERIALS THAT ARE 1/4" OR LESS IN THICKNESS, USE THE MAXIMUM SIZE WELD PERMITTED BY THE GOVERNING AISC SPECIFICATION.
- E. ALL SHOP AND FIELD CONNECTIONS SHALL BE MADE WITH HIGH STRENGTH BOLTS OR WELDS. ALL HIGH STRENGTH BOLTS AND NUTS SHALL BE CLEARLY MARKED AS REQUIRED BY AISC SPECIFICATIONS. CONNECTIONS MADE WITH UNMARKED BOLTS AND NUTS WILL BE REJECTED.
- F. UNLESS OTHERWISE NOTED, ALL BOLTS SHALL BE TIGHTENED TO THE "SNUG TIGHT" CONDITION DEFINED AS THE TIGHTNESS ATTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A PERSON USING AN ORDINARY SPUD WRENCH. THE SNUG TIGHT CONDITION MUST ENSURE THAT THE PLIES OF THE CONNECTED MATERIAL HAVE BEEN BROUGHT INTO SNUG CONTACT.
- G. ALL BOLTS SUBJECT TO DIRECT TENSION OR DESIGNATED AS "SC" (SLIP-CRITICAL) SHALL BE PRE-TENSIONED IN ACCORDANCE WITH ONE OF THE FOLLOWING METHODS AS DESCRIBED IN AISC "MANUAL OF STEEL CONSTRUCTION": TURN-OF-NUT TIGHTENING, CALIBRATED WRENCH TIGHTENING OR DIRECT TENSION INDICATOR TIGHTENING.
- H. BOLTS USED IN STRUCTURAL STEEL FRAMING CONNECTIONS SHALL BE A MINIMUM OF 3/4" DIAMETER.
- I. BOLTED CONNECTIONS SHALL USE A MINIMUM OF TWO BOLTS PER CONNECTED PART, UNLESS OTHERWISE INDICATED.
- J. OVERSIZED HOLES, LONG-SLOTTED HOLES OR SHORT-SLOTTED HOLES PARALLEL TO THE LOAD SHALL NOT BE USED FOR ANY CONNECTIONS UNLESS SPECIFICALLY INDICATED ON THE DRAWING OR APPROVED IN WRITING BY THE ENGINEER. SHORT SLOTTED HOLES TRANSVERSE TO THE DIRECTION OF THE LOAD ARE PERMITTED IN BEARING TYPE CONNECTIONS.
- K. ALL BUTT AND FULL PENETRATION WELDS SHALL BE MADE USING RUN OFF TABS WHICH SHALL BE REMOVED AND GROUND SMOOTH ONCE THE WELD IS COMPLETED.
- L. ALL WELD BACK UP BARS SHALL BE REMOVED AND GROUND SMOOTH ONCE THE WELD IS COMPLETED, UNLESS NOTED OTHERWISE.
- M. STRUCTURAL STEEL FRAME SHALL BE LEVEL AND PLUMB PRIOR TO COMPLETING CONNECTIONS.

STRUCTURAL STEEL (CONTINUED):

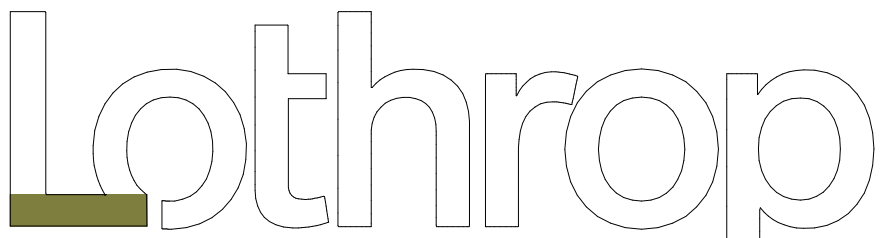
4. COATINGS
- A. UNLESS OTHERWISE NOTED, ALL NEW STRUCTURAL STEEL SHALL FIRST BE HOT-DIP GALVANIZED, AND SHALL THEN RECEIVE SURFACE PREPARATION FOLLOWED BY PRIMER IN SHOP. FOR SPECIFIC REQUIREMENTS, REFER TO HIGH PERFORMANCE COATINGS SPECIFICATION 099600.
- B. UNLESS OTHERWISE NOTED, ALL EXISTING STRUCTURAL STEEL SHALL RECEIVE SURFACE PREPARATION FOLLOWED BY PRIMER IN FIELD. FOR SPECIFIC REQUIREMENTS, REFER TO HIGH PERFORMANCE COATINGS SPECIFICATION 099600.
- C. AFTER ERECTION IS COMPLETE, TOUCH-UP ALL SHOP PRIMED COATS DAMAGED DURING TRANSPORTATION AND ERECTION AND PRIME ALL FIELD WELDS ON BOTH NEW AND EXISTING STEEL SURFACES USING THE SAME PAINT USED FOR SHOP PRIMING.
- D. ALL PRIMERS ON BOTH NEW AND EXISTING STEEL SHALL BE COMPATIBLE WITH TOP COATS TO BE APPLIED IN FIELD PER HIGH PERFORMANCE COATINGS SPECIFICATION 099600.

STEEL ROOF DECK:

1. ALL STEEL DECKING SHALL CONFORM TO THE STEEL DECK INSTITUTE (SDI) APPLICABLE REQUIREMENTS. INSTALLATION SHALL BE PER THE MANUFACTURER'S RECOMMENDATIONS IN ACCORDANCE WITH SDI SPECIFICATIONS.
2. STEEL DECK MATERIAL, DESIGN AND ERECTION SHALL BE GOVERNED BY THE CURRENT ANSI / SDI RD "STANDARD FOR STEEL ROOF DECK" AS PUBLISHED BY THE STEEL DECK INSTITUTE (SDI) AND CONFORM TO THE "CODE OF STANDARD PRACTICE" OF THE STEEL DECK INSTITUTE.
3. STEEL DECK UNITS AND ACCESSORIES SHALL BE FABRICATED FROM STEEL SHEET CONFORMING TO ASTM A653. STEEL DECK UNITS SHALL HAVE A MINIMUM YIELD POINT OF 40 KSI. ACCESSORIES SHALL HAVE A MINIMUM YIELD POINT OF 33 KSI.
4. ALL STEEL TO BE USED FOR DECKING SHALL BE GALVANIZED (G90) AND FACTORY PRIMED PER SPECIFICATION 053101.
5. REFER TO INDIVIDUAL PLAN NOTES FOR STEEL DECK TO BE USED AT EACH LEVEL.
6. DECK SHEETS SHALL BE PLACED IN ACCORDANCE WITH APPROVED ERECTION LAYOUT DRAWINGS (INCLUDING FASTENING SCHEDULES) SUPPLIED BY THE DECK MANUFACTURER, AND IN CONFORMANCE WITH THE MANUFACTURER'S STANDARDS.
7. UNLESS NOTED OTHERWISE, STEEL UNIT ENDS SHALL OCCUR OVER SUPPORTS AND SHALL BE ABUTTED.
8. ALL STEEL DECK SHALL BE INSTALLED IN TRIPLE-SPAN CONDITION, UNLESS NOTED OTHERWISE.
9. ALL STEEL DECKING SHALL BE FASTENED TO STEEL FRAMING AS FOLLOWS:
- | | | | |
|----|-----------------------------|----------------------|-----------------|
| A. | ROOF DECKING: | FASTENER | PATTERN: |
| | PANEL END SUPPORTS | HILTI X-ENP19 PAF | 24 / 5 |
| | PANEL INTERMEDIATE SUPPORTS | HILTI X-ENP19 PAF | 24 / 5 |
| | PANEL SIDE SUPPORTS | HILTI X-ENP19 PAF | @ 12" O.C. |
| | SIDE LAPS | #10 STAINLESS SCREWS | 6 PER DECK SPAN |
10. ALTERNATE FASTENING SYSTEMS MAY BE SUBMITTED TO THE E.O.R. FOR REVIEW. SUPPORTING DOCUMENTATION SHALL INCLUDE RELEVANT ICC-ES EVALUATION AND ENGINEERING CALCULATIONS WHICH PROVIDE STRENGTH EQUAL TO OR GREATER THAN PERMITTED BY SDI.
11. STEEL DECK PROPERTIES SHALL BE AS FOLLOWS:
- | | | |
|----|--|---------------------------|
| A. | <u>D1: 1.5" DEEP, GALVANIZED, ACOUSTICAL CELLULAR B DECK :</u> | |
| | GAUGE..... | 20/20 |
| | I _p | 0.380 IN ⁴ /FT |
| | I _x | 0.293 IN ⁴ /FT |
| | S _p | 0.270 IN ³ /FT |
| | S _x | 0.024 IN ³ /FT |
12. WHERE ALTERNATE DECK PROPERTIES ARE PROPOSED BY DECKING CONTRACTOR, SUBMIT PROPOSED DECK LOAD TABLES FOR REVIEW.
13. NO PERMANENT SUSPENDED LOADS ARE TO BE SUPPORTED BY THE STEEL DECK. THIS INCLUDES PIPING, DUCTWORK, MECHANICAL UNITS, CEILINGS, ETC. ALL COMPONENTS ARE TO BE SUSPENDED FROM STRUCTURAL FRAMING MEMBERS, USING APPROVED ATTACHMENT DEVICES.
14. DECKING CONTRACTOR SHALL COORDINATE DECK OPENING SIZES AND LOCATIONS FROM ARCHITECTURAL AND MECHANICAL DRAWINGS AND SHALL PROVIDE HEADER MEMBERS OR REINFORCEMENT AS REQUIRED BY TYPICAL DETAILS ON STRUCTURAL DRAWINGS, EVEN IF NOT SHOWN ON THE PLANS. PROPOSED OPENINGS THROUGH THE DECK SHALL BE SUBMITTED TO ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW.
15. STEEL DECK SHALL BE STORED OFF THE GROUND AT THE JOBSITE, AND BE PROTECTED FROM THE ELEMENTS WITH A WATERPROOF COVERING WHERE REQUIRED.
16. FIREPROOFING, IF REQUIRED, SHALL BE COMPATIBLE WITH GALVANIZED FINISH.
17. SUBMIT SHOP DRAWINGS FOR REVIEW.

CONTRACTOR'S SUBMITTAL AND DESIGN RESPONSIBILITIES:

1. THE LISTED PROJECT ITEMS BELOW, ASSOCIATED WITH FABRICATION AND ERECTION, SHALL HAVE SHOP DRAWINGS SUBMITTED TO THE ARCHITECT AND ENGINEER OF RECORD FOR REVIEW AND APPROVAL. SUBMISSION OF THE SHOP DRAWINGS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SHOP DRAWING SUBMISSIONS SHALL BE COORDINATED AND SUBMITTED TO ALLOW SUFFICIENT TIME FOR REVIEW AND COMMENT (15 DAYS PER PROJECT SPECIFICATIONS) WITHOUT ADVERSELY AFFECTING THE PROJECT SCHEDULE.
 - A. STRUCTURAL STEEL FRAMING.
 - B. STEEL FRAMING CONNECTIONS. (+)
 - C. METAL FLOOR AND / OR ROOF DECK.
2. THE LISTED ITEMS ABOVE, MARKED WITH (+), REQUIRE STRUCTURAL DESIGN AND ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL RETAIN THE SERVICES OF A PROFESSIONAL STRUCTURAL ENGINEER, REGISTERED IN THE STATE OF CONNECTICUT, TO PERFORM THE DESIGN AND PROVIDE STAMPED CALCULATIONS OF THE MARKED ITEMS. CALCULATIONS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW.
3. THE LISTED PROJECT ITEMS BELOW, ASSOCIATED WITH MEANS AND METHODS OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER OF RECORD WILL REVIEW THE ITEMS LISTED BELOW ONLY FOR ACCEPTANCE OF LOADS IMPOSED ON THE COMPLETED STRUCTURE. NO OTHER ASPECT OF THESE SUBMITTALS WILL BE REVIEWED.
 - A. LOGISTICS PLAN FOR MAINTAINING STRUCTURAL STABILITY DURING CONSTRUCTION. (+)
 - B. TEMPORARY SHORING. (+)
 - C. TEMPORARY LOADS ABOVE 20 PSF. (+)
 - D. MECHANICAL UNIT CURBS.
 - E. MECHANICAL UNIT AND / OR CURB ATTACHMENT. (+)
4. THE LISTED ITEMS ABOVE, MARKED WITH (+), REQUIRE STRUCTURAL DESIGN AND ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL RETAIN THE SERVICES OF A PROFESSIONAL STRUCTURAL ENGINEER, REGISTERED IN THE STATE OF CONNECTICUT, TO PERFORM THE DESIGN AND PROVIDE STAMPED CALCULATIONS OF THE MARKED ITEMS. CALCULATIONS SHALL BE SUBMITTED FOR RECORD ONLY.

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EAST LYME HIGH SCHOOL - AQUATIC CENTER ROOF REPLACEMENT

30 CHESTERFIELD RD
EAST LYME, CT 06333

STRUCTURAL NOTES I

PROJECT NO.: 21045	SCALE: 12" = 1'-0"
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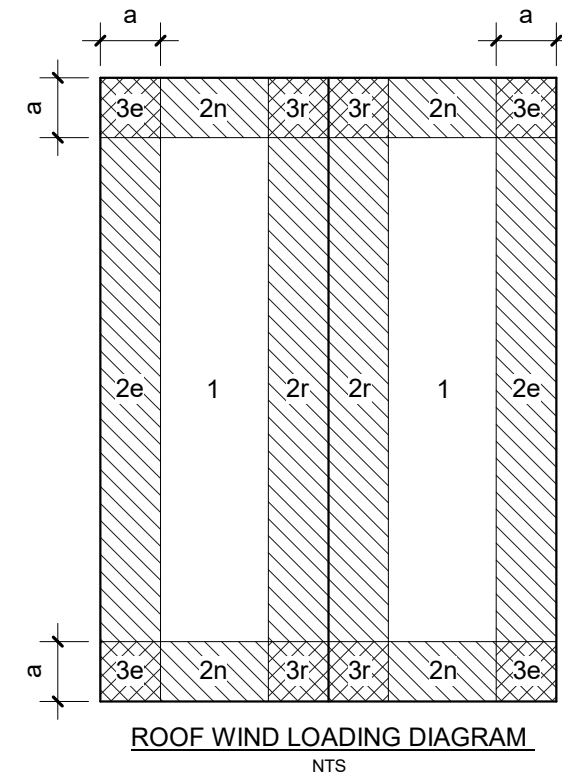
DRAWING NO.

S001

1. SPECIALTY STRUCTURAL ENGINEERS (SSE'S) ARE THE SPECIALTY ENGINEERS OF RECORD (SEOR) FOR THEIR SPECIFIC BUILDING SYSTEM. HOWEVER, E2 ENGINEERS IS THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE / ENGINEER OF RECORD (EOR) FOR THE ENTIRE PROJECT AND RESPONSIBLE FOR REVIEWING AND VERIFYING THAT ALL COMPONENTS (INCLUDING THOSE GRANTED DEFERRED APPROVAL) OF THE PROJECT ARE PROPERLY DESIGNED BY APPROPRIATELY LICENSED DESIGN PROFESSIONALS.
2. THE FOLLOWING ITEMS ARE TO BE INCLUDED AS SSE DESIGNS:
 - A. SHORING
 - B. STEEL CONNECTIONS
3. ALL SSE'S REQUIRED FOR THE PROJECT SHALL BE REGISTERED PROFESSIONAL ENGINEERS, IN GOOD STANDING, WITH THE STATE OF CONNECTICUT AND SHALL BE ABLE TO DEMONSTRATE PROFICIENCY IN THE FIELD OF STRUCTURAL ENGINEERING AND WITH THE SPECIFIC MATERIALS AND SYSTEMS UNDER THEIR DESIGN PURVIEW.
4. THE SSE SHALL SUBMIT SIGNED AND SEALED DESIGN CALCULATIONS AND SHOP DRAWINGS FOR THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE TO REVIEW. ALL CALCULATIONS SHALL HAVE A BASIS OF DESIGN IN THE FRONT OF THE CALCULATIONS STATING ALL DESIGN ASSUMPTIONS MADE FOR THE ANALYSIS OF THE SYSTEM(S).
5. THE SSE SHALL HAVE ERRORS AND OMISSIONS (E&O) COVERAGE COMMENSURATE WITH THE LEVEL OF E&O COVERED REQUIRED BY ALL DESIGN PROFESSIONALS ON THE PROJECT. A CERTIFICATE OF PROOF OF INSURANCE SHALL BE SUBMITTED WITH THE DESIGN CALCULATIONS. FAILURE TO PROVIDE THE CERTIFICATE OF PROOF OF INSURANCE MAY RESULT IN A REJECTED SUBMITTAL.

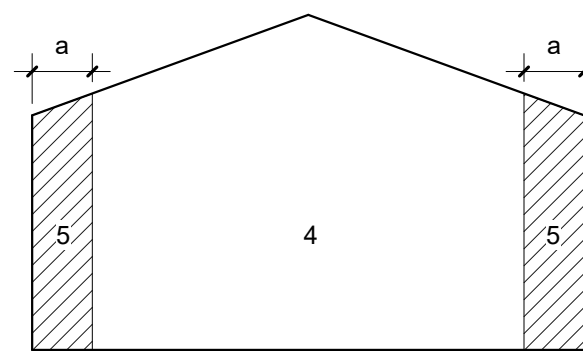
1. THE OWNER WILL EMPLOY AND PAY FOR THE SERVICES OF AN INDEPENDENT TESTING AGENCY TO PROVIDE QUALITY ASSURANCE TESTING AND INSPECTIONS FOR WORK SPECIFIED IN CHAPTER 17 OF THE CONNECTICUT STATE BUILDING CODE. THE TESTING AGENCY SHALL BE LICENSED IN THE STATE OF CONNECTICUT AND ALL TESTING AND INSPECTIONS SHALL BE PERFORMED UNDER THE SUPERVISION OF AN ENGINEER REGISTERED IN THE STATE OF CONNECTICUT.
2. SPECIAL INSPECTIONS ARE REQUIRED, PER CHAPTER 17 OF THE STATE OF CONNECTICUT BUILDING CODE, FOR THE FOLLOWING ITEMS:
 - A. STRUCTURAL STEEL CONSTRUCTION
 - B. COLD FORMED STEEL DECK AND ATTACHMENT
3. ADDITIONAL SPECIAL INSPECTIONS MAY BE REQUIRED FOR OTHER NON-STRUCTURAL BUILDING COMPONENTS. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.
4. REFER TO THE STATEMENT OF SPECIAL INSPECTIONS FOR INFORMATION ON THE TESTING REQUIRED FOR EACH ITEM NOTED ABOVE.
5. FAILURE OF QUALITY ASSURANCE TESTING AND INSPECTIONS TO DETECT ANY DEFECTIVE WORK OR MATERIAL SHALL NOT IN ANY WAY PREVENT LATER REJECTION WHEN SUCH DEFECT IS NOTED, NOR SHALL IT OBLIGATE THE OWNER'S REPRESENTATIVE FOR FINAL ACCEPTANCE.
6. THE TESTING AGENCY AND ITS REPRESENTATIVES ARE NOT AUTHORIZED TO REVOKE, ALTER, RELAX, ENLARGE OR RELEASE ANY PORTION OF THE WORK, PERFORM ANY DUTIES OF THE CONTRACTOR OR BE A PARTY TO SCHEDULING OF WORK.
7. RECORDS OF INSPECTIONS SHALL BE KEPT AVAILABLE TO THE BUILDING OFFICIAL DURING PROGRESS OF THE WORK AND FOR TWO YEARS AFTER COMPLETION OF THE PROJECT. RECORDS SHALL BE PRESERVED BY THE INDEPENDENT TESTING AGENCY.

BLDG AREA	ZONE	EFFECTIVE WIND AREA IN SQUARE FEET (SF)				
		≥ 10 SF	≥ 20 SF	≥ 50 SF	≥ 100 SF	≥ 200 SF
ROOF	1	±58.4	±58.4	±35.5	±18.2	±18.2
	2e	±58.4	±58.4	±35.5	±18.2	N.A.
	2n	±85.2	±73.7	±58.4	±46.9	N.A.
	2r	±85.2	±73.7	±58.4	±46.9	N.A.
	3e	±85.2	±73.7	±58.4	±46.9	N.A.
	3r	±102	±86.8	±67.6	±53.1	N.A.
WALLS	4	±34.3	±32.9	±31.0	±29.6	±28.1
	5	±42.3	±39.5	±35.7	±32.9	±30.0



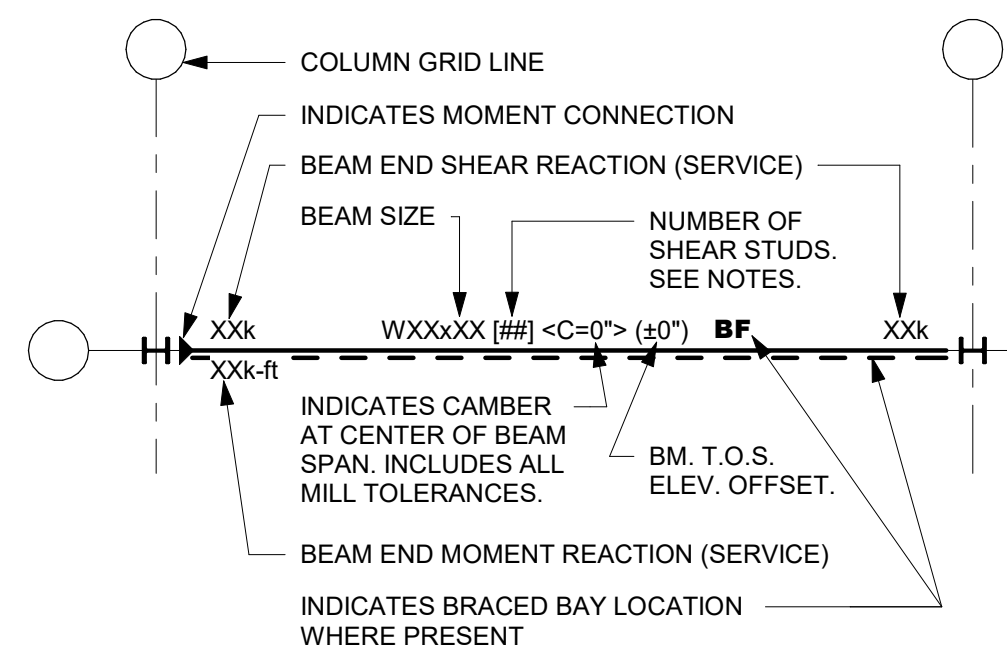
NOTES:

1. PRESSURES SHOWN ARE STRENGTH (A.K.A. ULTIMATE OR LRFD) LEVEL WIND LOADS.
2. FOR EFFECTIVE WIND AREAS BETWEEN THOSE PROVIDED ABOVE THE LOAD MAY BE INTERPOLATED. OTHERWISE, USE THE LOAD ASSOCIATED WITH THE LOWER EFFECTIVE WIND AREA.
3. $\pm$ INDICATES THAT THE LISTED PRESSURE CAN ACT EITHER TOWARDS OR AWAY FROM THE BUILDING SURFACE.
4. THE DISTANCE "a" IS DEFINED AS 8'-11".
5. ABBREVIATIONS
A. N/A = NOT APPLICABLE



	INDICATES TOP OF FLOOR ELEVATION.
D1	INDICATES SPAN DIRECTION OF 1 1/2" 20/20GA CELLULAR ACOUSTIC TYPE B GALVANIZED & PRIMED METAL ROOF DECK.
	INDICATES DOWNWARD SLOPE DIRECTION OF STRUCTURAL ELEMENT.

@	AT	LLH	LONG LEG HORIZONTAL
A.F.F.	ABOVE FINISH FLOOR	LLV	LONG LEG VERTICAL
ADD'L	ADDITIONAL	LONGL	LONGITUDINAL
ALT	ALTERNATE	LOC	LOCATION
ARCH	ARCHITECT / ARCHITECTURAL	M.O.	MAXIMUM OPENING
B.O.	BOTTOM OF	MAX	MAXIMUM
B.O.F.	BOTTOM OF FOOTING	MECH	MECHANICAL
BD	BOARD	M.E.P.	MECHANICAL ELECTRICAL & PLUMBING
BLDG.	BUILDING	MEZZ	MEZZANINE
BRG	BEARING	MFR	MANUFACTURER
BTM, BOT	BOTTOM	MIN	MINIMUM
BTWN	BETWEEN	MISC	MISCELLANEOUS
C.A.	COLUMN ABOVE	N.T.S.	NOT TO SCALE
C.B.	COLUMN BELOW	N.W.	NORMAL WEIGHT
C.J.	CONSTRUCTION JOINT	o.c., oc, O/C	ON CENTER
CL	CENTERLINE	O.F., O/F	OUTSIDE FACE
CANT	CANTILEVER	P.T.	PRESSURE TREATED
C.M.F.F.	COLD-FORMED METAL	PIC	PIECAST
	FINISH	P.A.F.	POWER ACTUATED FASTENER
CMU	CONCRETE MASONRY UNIT	±, +/-	PLUS / MINUS
COL	COLUMN	PL	PLATE
CONC	CONCRETE	PROV'D	PROVIDE / PROVIDED
CONT	CONTINUOUS	PSF	POUNDS PER SQUARE FOOT
COORD	COORDINATE	PSI	POUNDS PER SQUARE INCH
DBL	DOUBLE	R.O.	ROUGH OPENING
DIAL, D	DIAL, DETER	REINF	REINFORCING / REINFORCEMENT
DWGS	DRAWINGS	REQ'D	REQUIRED
E.C.	EPOXY-COATED	S.O.G.	SLAB ON GRADE
E.F.	EACH FACE	S/W	SHEARWALL
E.O.S.	EDGE OF SLAB	SCHED	SCHEDULE
E.O.D.	EDGE OF DECK	SHM	SIMILAR
E.W.	EACH WAY	SPEC'S	SPECIFICATIONS
EA	ELEVATION	STD	STANDARD
EL, ELEV	ELEVATION	STL	STEEL
EMBED	EMBEDMENT	STR, STRUCT	STRUCTURAL
ENGR	ENGINEER	T/1, T.O.	TOP OF
EQ	EQUAL	T & B	TOP AND BOTTOM
EQPT	EQUIPMENT	T.O.C.	TOP OF CONCRETE
EX, EXG	EXISTING	T.O.P.	TOP OF PIER
FDN	FOUNDATION	T.O.S.	TOP OF SLAB
FIN	FINISH	T.O.STL.	TOP OF STEEL
FL, FLR	FLOOR	T.O.W.	TOP OF WALL
FT	FEET	TEMP	TEMPORARY
FTG	FOOTING	TH	THICK
GA	GAUGE	TRPL	TRANSVERSE
GALV.	GALVANIZED	TYP	TYPICAL
GR	GRADE	U.N.O.	UNLESS NOTED OTHERWISE
HDR	HEADER	V.I.F.	VERIFY IN FIELD
HOR, HORIZ	HORIZONTAL	VERT	VERTICAL
I.F., I/F	INSIDE FACE	W/TH	WITH
IN	INCHES	W/P	WORK POINT
INFO	INFORMATION	WT	WEIGHT
JT	JOINT	WWF	WELDED WIRE FABRIC
K	KIP		
K-FT	KIP - FEET		
L.W.	LIGHT WEIGHT		



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ISSUE NO.	ISSUE DATE	DESCRIPTION

EAST LYME HIGH SCHOOL - AQUATIC CENTER ROOF REPLACEMENT

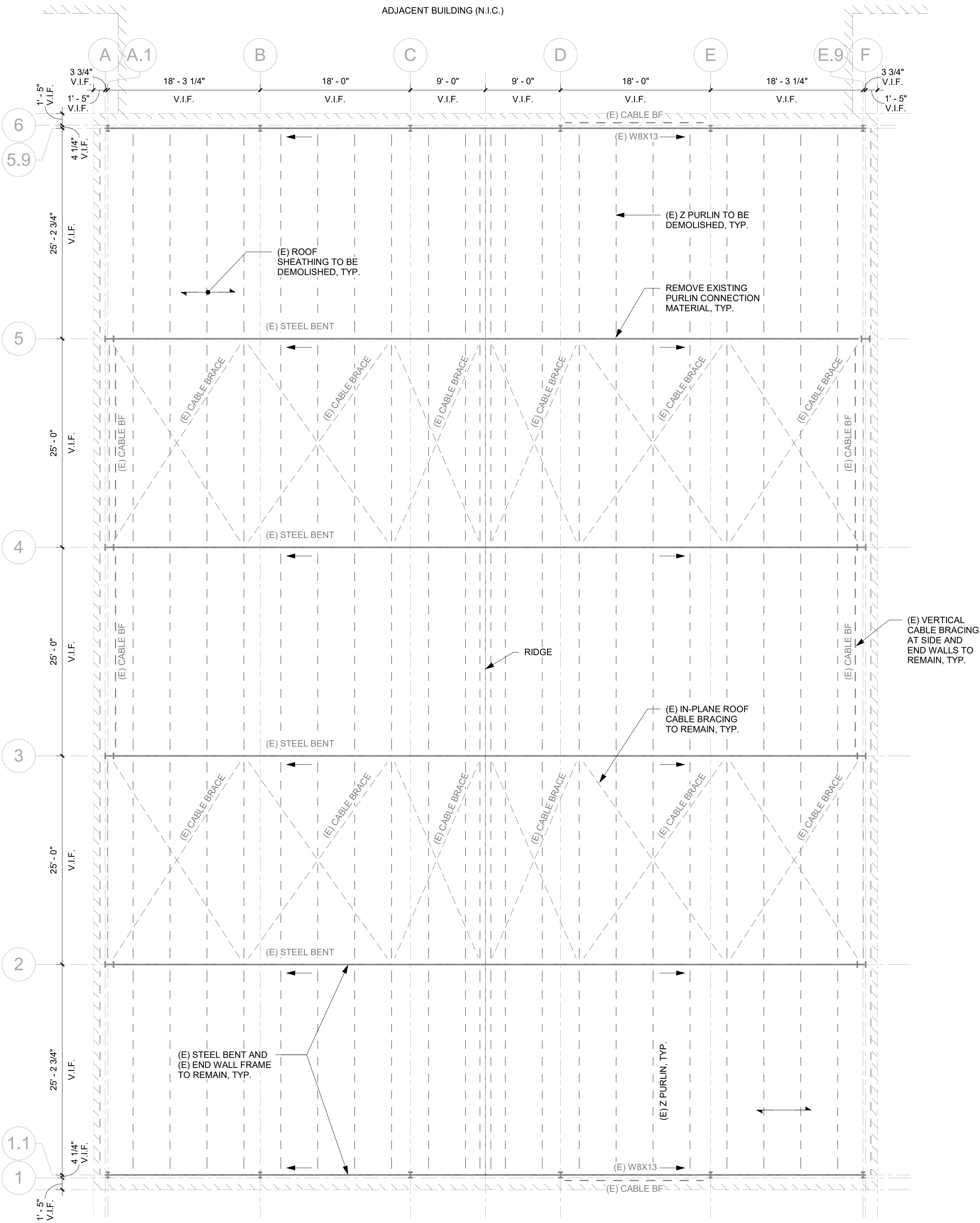
30 CHESTERFIELD RD
EAST LYME, CT 06333

STRUCTURAL NOTES II

PROJECT NO.:	21045	SCALE:	As indicated
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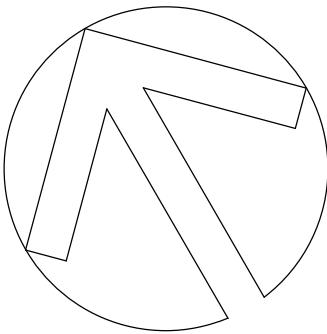
DRAWING NO.:

S002



SEE SHEET S101 FOR GENERAL ROOF NOTES.

1	2/11/2026	ISSUED FOR BID
ISSUE NO.	ISSUE DATE	DESCRIPTION



EAST LYME HIGH SCHOOL -
AQUATIC CENTER ROOF
REPLACEMENT

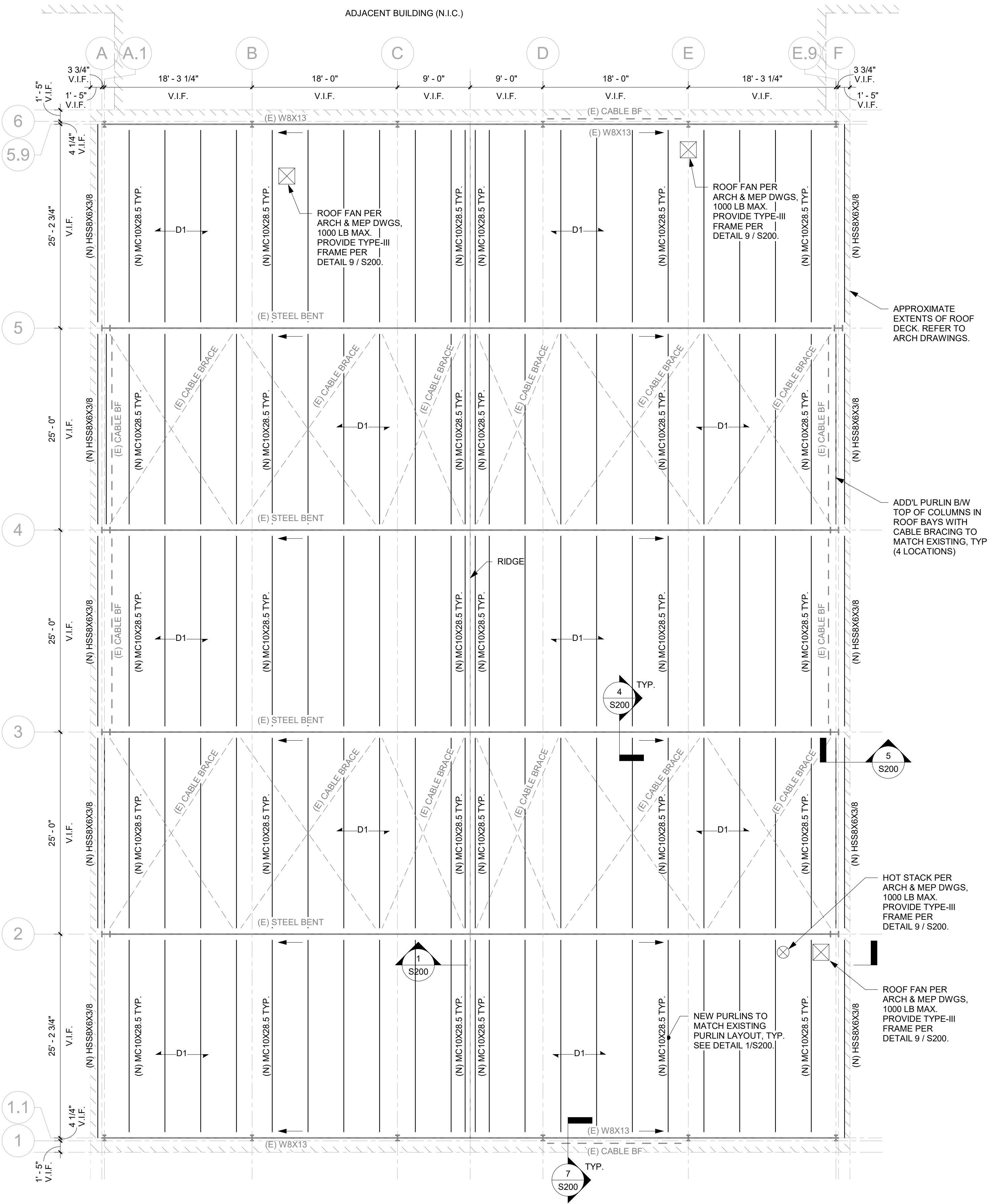
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ROOF
DEMOLITION PLAN

PROJECT NO.: 21045 SCALE: 1/8" = 1'-0"

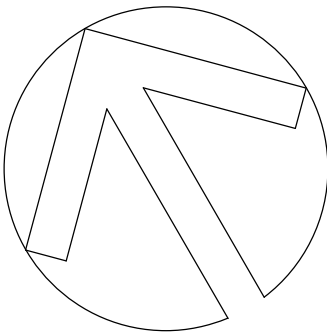
DRAWING NO.:

S100



- STEEL ROOF FRAMING PLAN NOTES:**
- REFER TO TYPICAL DETAILS FOR DECK REINFORCING AND / OR ADDITIONAL STEEL MEMBERS AT MISCELLANEOUS ROOF DECK OPENINGS THAT ARE NOT LABELED ON THIS SHEET.
 - SEE THE BEAM LEGEND, ON STRUCTURAL SHEET S002, FOR INFORMATION TO UNDERSTAND THE INTENDED SHEAR STUDS (IF APPLICABLE), CAMBER, TOP OF STEEL ELEVATION OFFSET, AND END CONNECTION FORCES FOR EACH BEAM.
 - SEE THE TYPICAL DETAILS FOR THE MINIMUM ALLOWABLE CONNECTION DESIGN CAPACITIES. THE DESIGN OF BEAM END CONNECTIONS IDENTIFIED WITH A CONNECTION MARK THAT IS HIGHER THAN THE MINIMUM ALLOWABLE CONNECTION SHALL BE THE RESPONSIBILITY OF THE STEEL FABRICATOR.
 - SEE GENERAL NOTE SHEET FOR ADDITIONAL INFORMATION.
 - CONTRACTOR TO DOCUMENT LAYOUT OF EXISTING PURLIN PRIOR TO DEMO AND MATCH SPACING OF NEW TO EXISTING.
 - COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
 - COORDINATE ALL WALL PENETRATIONS, UTILITIES AND MECHANICAL CHASES WITH APPLICABLE TRADES.
 - COORDINATE DECK OPENING SIZES AND LOCATIONS FROM ARCH. AND MECH. DRAWINGS. PROVIDE HEADER MEMBERS AND / OR REINFORCEMENT AS REQUIRED BY TYPICAL STRUCTURAL DETAILS, EVEN IF NOT SHOWN ON THE PLANS.
 - COORDINATE WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR QUANTITIES, SIZES, AND LOCATIONS OF ALL SLAB & ROOF PENETRATIONS, DUCT CHASES, AND HOUSEKEEPING PADS.
 - CONTRACTOR TO PROVIDE SAG RESTRAINT FOR PURLINS DURING ERECTION TO CONTROL OUT-OF-PLANE SELF WEIGHT DEFORMATION PRIOR TO ATTACHMENT OF ROOF DECK
 - CONTRACTOR SHALL BE RESPONSIBLE FOR THE MEANS AND METHODS OF MAINTAINING STABILITY OF STEEL BENTS DURING DEMOLITION AND REPLACEMENT OF PURLINS AND DECK. SUBMIT ENGINEERED LOGISTICS PLAN WITH CORRESPONDING SIGNED AND SEALED CALCULATIONS PER GENERAL STRUCTURAL NOTES ON SHEET S001.

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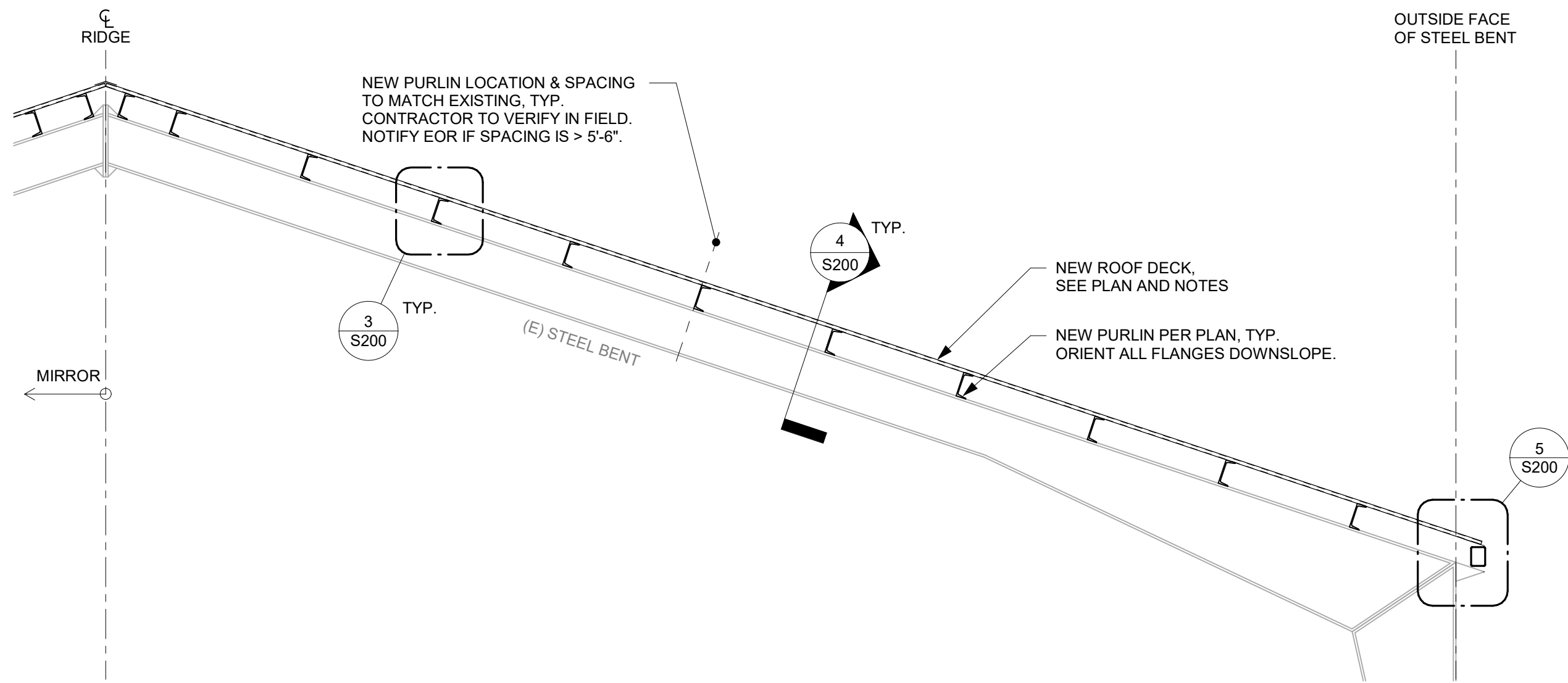
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ROOF FRAMING
CONSTRUCTION
PLAN

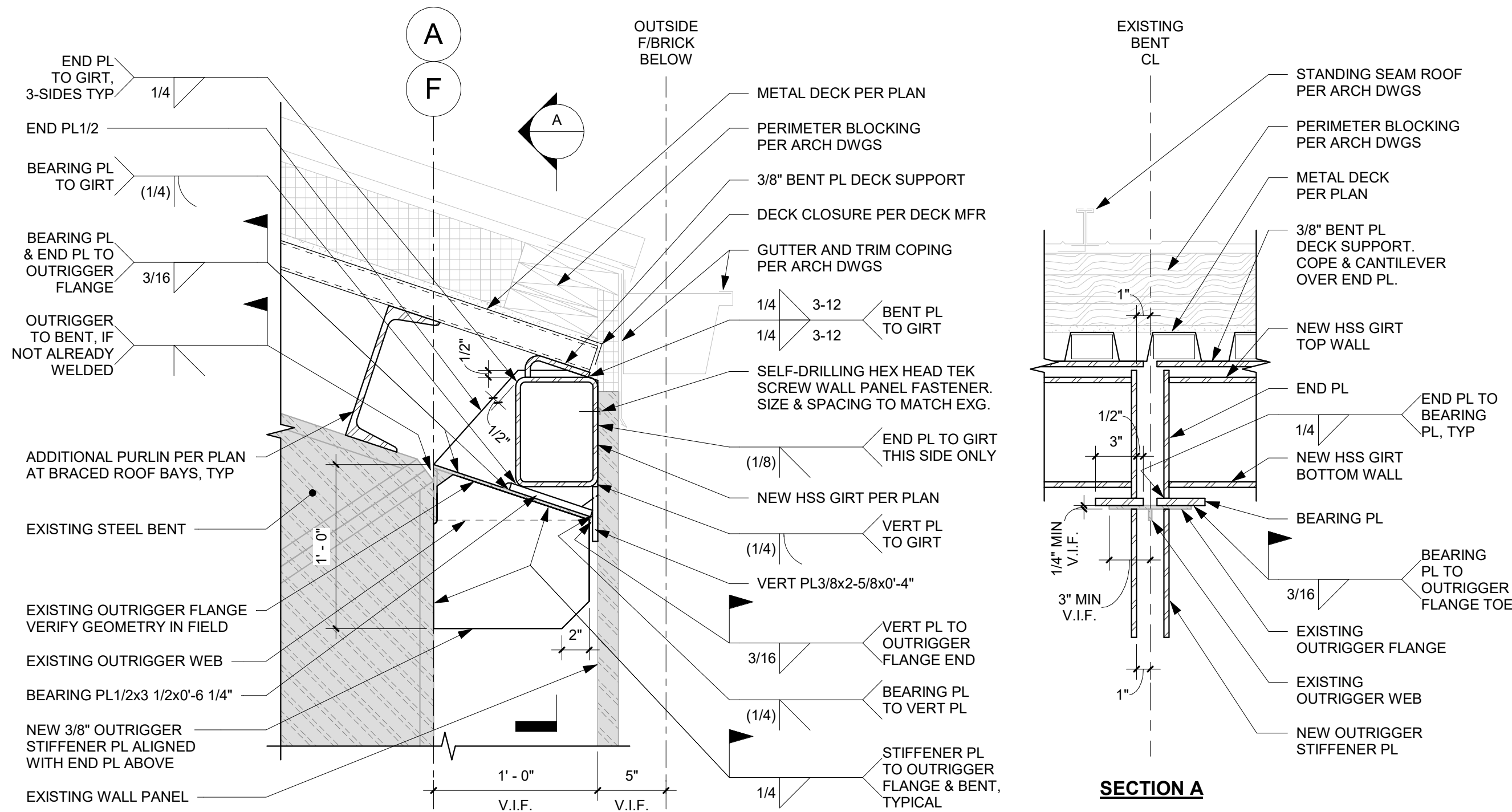
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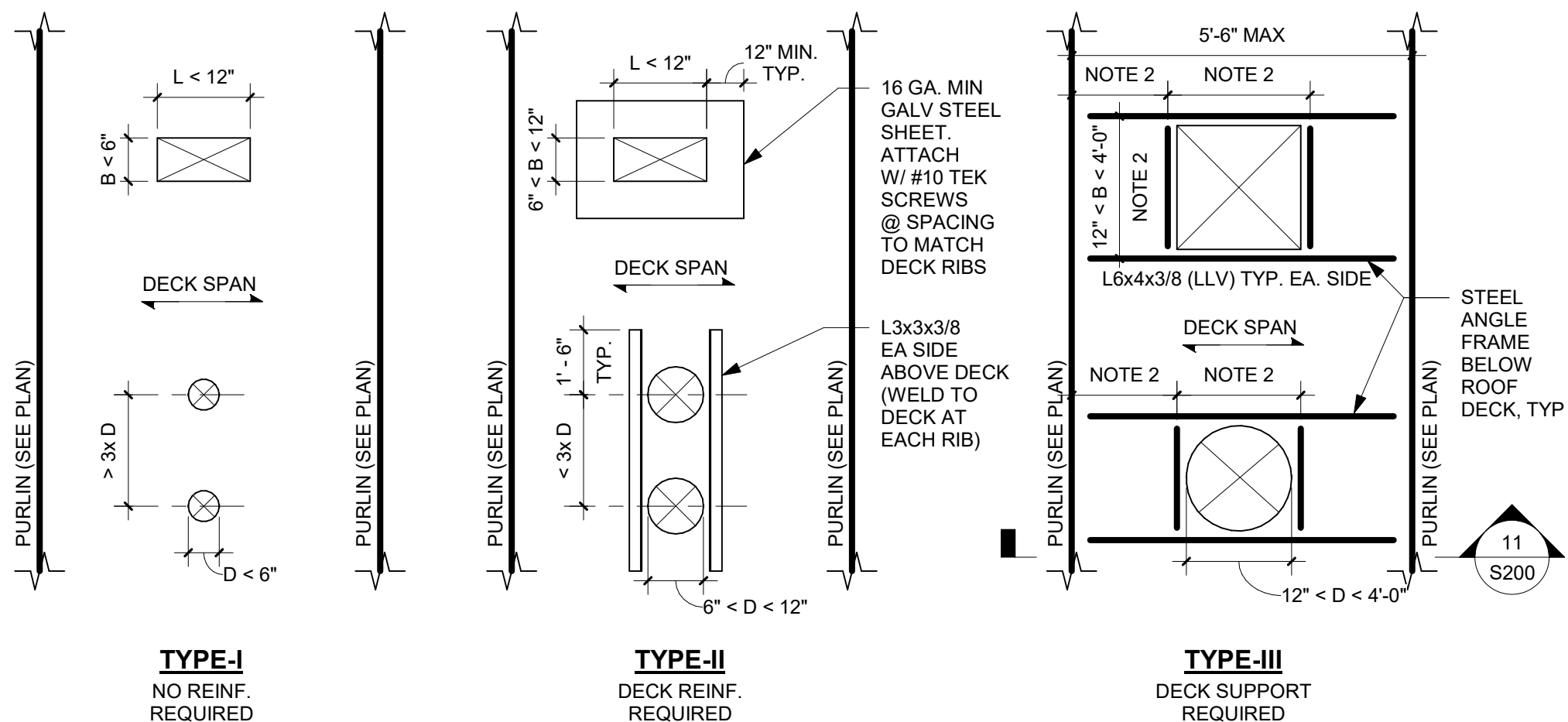
S101



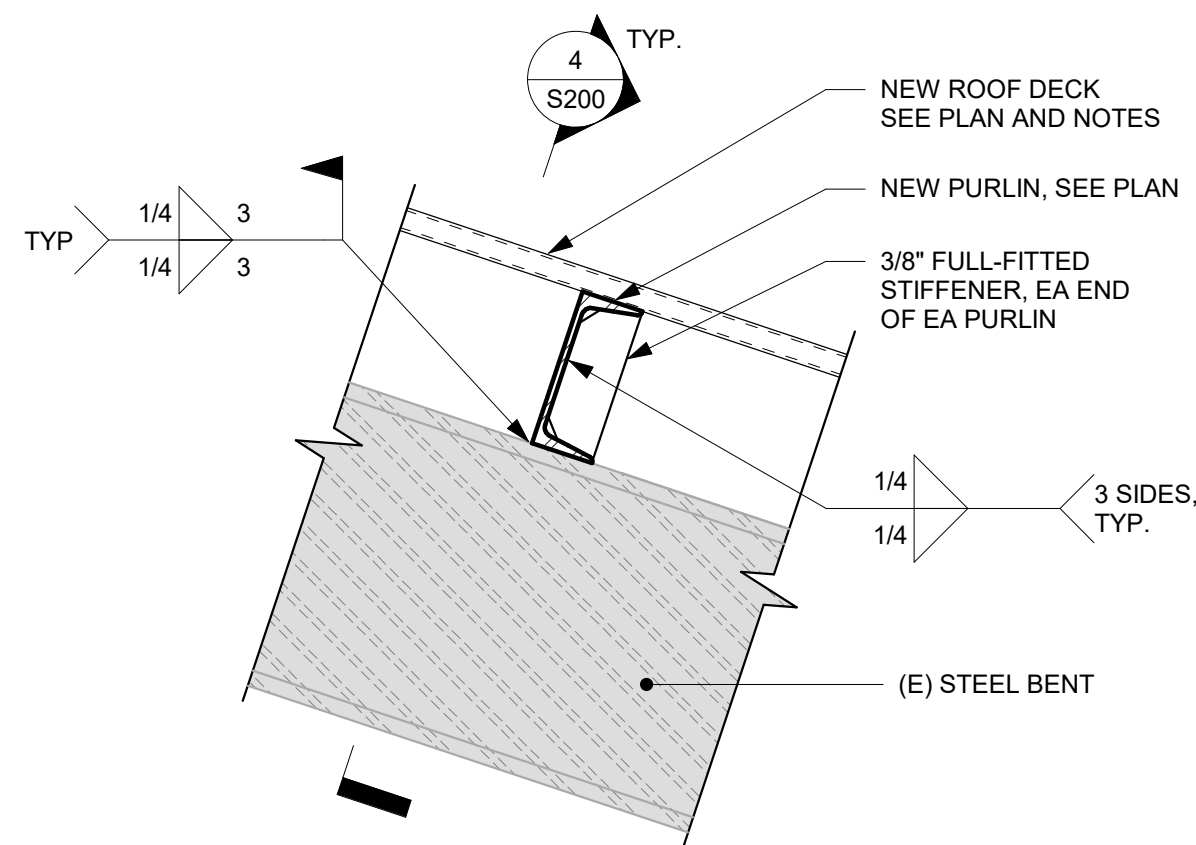
1 TYPICAL PURLIN LAYOUT
S200 1/4" = 1'-0"



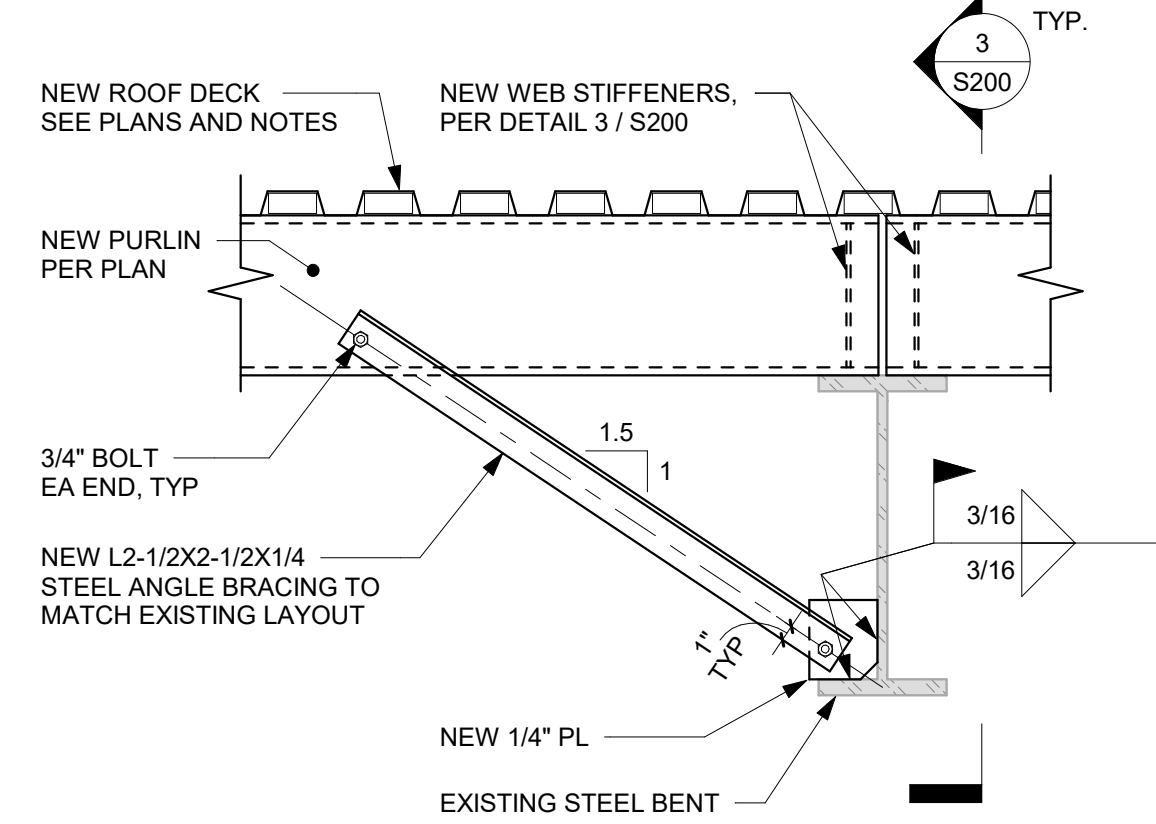
5 TYPICAL EAVE DETAIL
S200 1 1/2" = 1'-0"



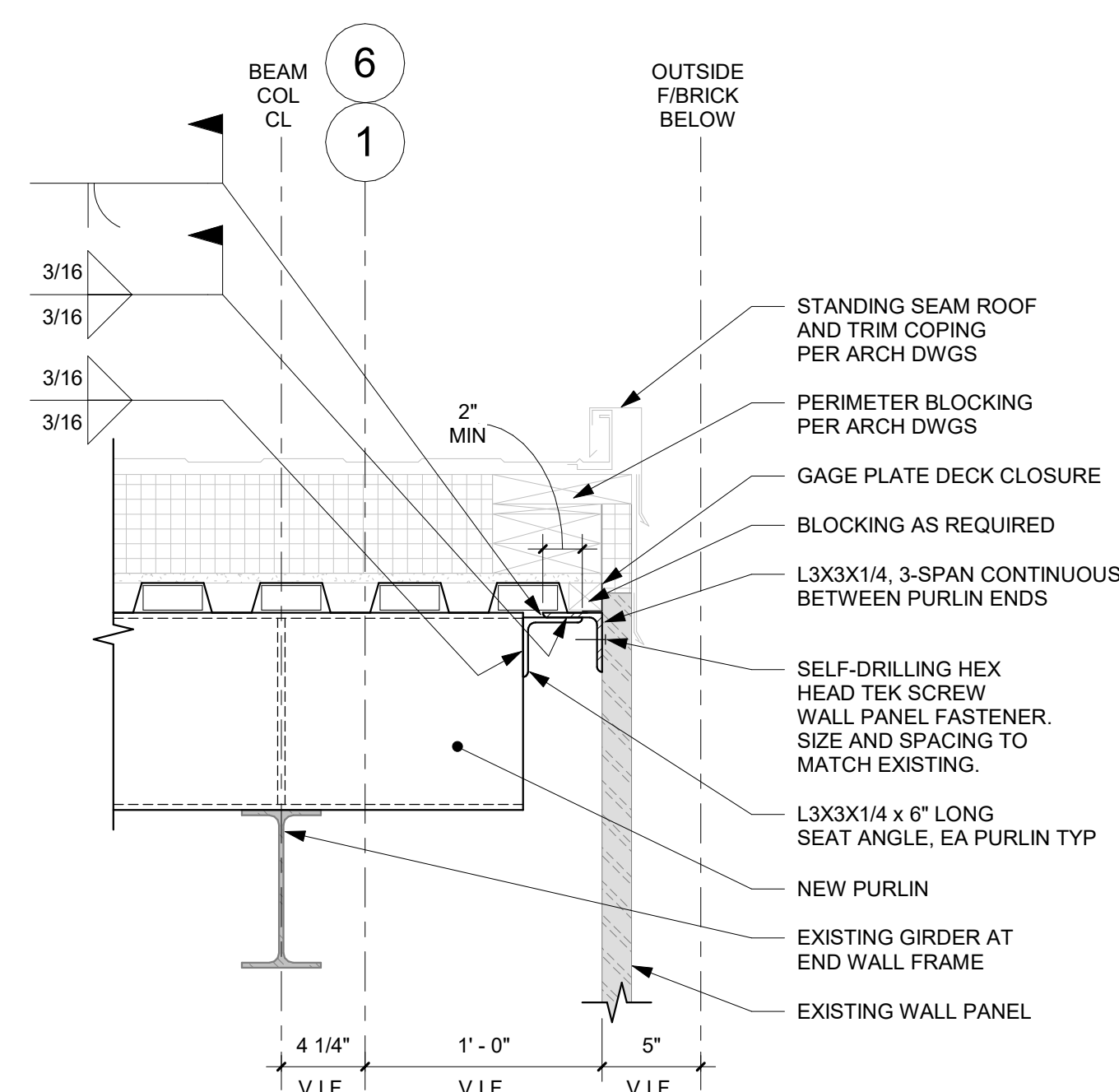
9 TYP ROOF DECK REINF / SUPPORT DETAILS @ OPENINGS
S200 1/4" = 1'-0"



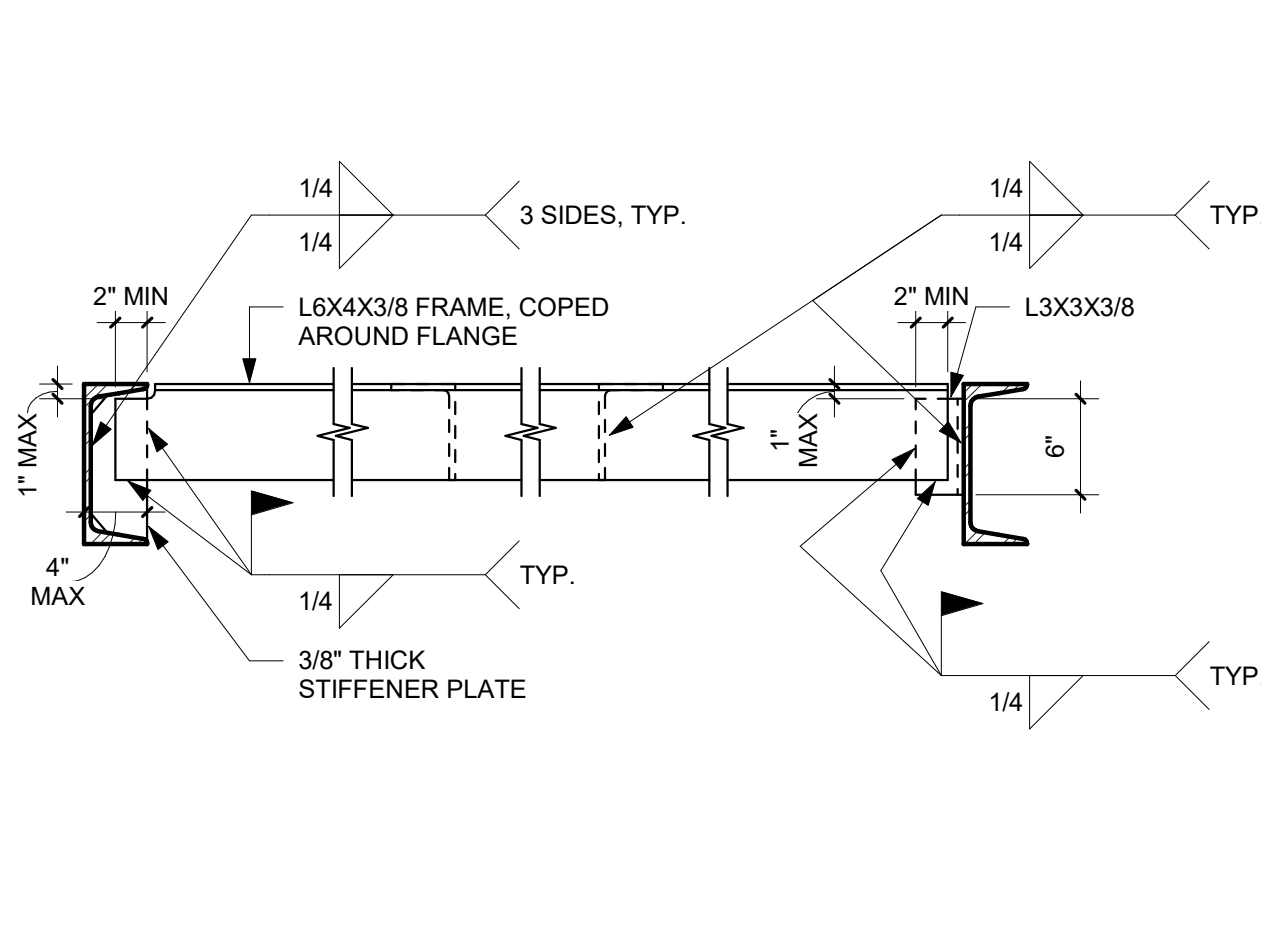
3 TYPICAL PURLIN CONNECTION DETAIL
S200 1" = 1'-0"



4 TYPICAL BENT FRAME BRACING DETAIL
S200 1" = 1'-0"



7 TYPICAL RAKE DETAIL
S200 1 1/2" = 1'-0"



11 TYP ROOF OPENING FRAME ATTACHMENT
S200 1" = 1'-0"

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30 CHESTERFIELD RD
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STRUCTURAL DETAILS

PROJECT NO.: 21045 SCALE: As indicated

DRAWING NO:

S200

N:\East Lyme Aquatic Center\ACQU\Plumbing\EXIST\ME\AQUA_PLUMBING.dwg

one eighth inch = one foot
one quarter inch = one foot
three eighths inch = one foot
one half inch = one foot
three quarters inch = one foot
one inch = one foot

FIRE SPRINKLER SPECIFICATIONS

1. PIPING SUPPORTS:

- A. SUPPORT ALL PIPING FROM BUILDING CONSTRUCTION BY PROVIDED INSERTS, BEAM CLAMPS, STEEL FISHPATES (IN CONCRETE FILL ONLY), AND ACCEPTABLE BRACKETS. SUBMIT ALL METHODS FOR REVIEW.
- B. PROVIDE ADDITIONAL FRAMING WHERE BUILDING CONSTRUCTION IS INADEQUATE. SUBMIT FOR REVIEW.
- C. SUSPENDED HORIZONTAL PIPING:
- SUPPORT ALL PIPING INDEPENDENTLY FROM STRUCTURE USING HEAVY IRON-HINGED TYPE HANGERS, SIMILAR TO GRINNELL CLEVIS NO. 260.
 - PROVIDE ELECTROPLATED SOLID BAND HANGERS SIMILAR TO AUTO-GRIP, FOR TWO-INCH AND SMALLER PIPE.
 - PROVIDE WALL BRACKETS FOR WALL SUPPORTED PIPING AND PROVIDE PIPE SADDLES FOR FLOOR MOUNTED PIPING.
 - SUSPEND PIPING FROM INSERTS, USING BEAM CLAMPS WITH RETAINING CLAMP OR LOCKNUT, STEEL FISHPATES, CANTILEVER BRACKETS OR OTHER ACCEPTED MEANS. BEAM CLAMPS SHALL BE SIMILAR TO GRINNELL FIGURES 61, 87, 131, OR 225.
 - SUSPEND PIPING BY RODS WITH DOUBLE NUTS.
 - PROVIDE ADDITIONAL STEEL FRAMING AS REQUIRED AND ACCEPTED WHERE OVERHEAD CONSTRUCTION DOES NOT PERMIT FASTENING HANGER RODS IN REQUIRED LOCATIONS.
 - MAXIMUM HANGER SPACING AS INDICATED.
 - PIPE 1 INCH AND SMALLER SHALL BE EVERY 8 FEET.
 - PIPE 1-1/4 INCH AND LARGER SHALL BE EVERY 10 FEET.
 - VERTICAL PIPING:
 - PROVIDE EXTENSION PIPE CLAMPS BOLTED TO BARE PIPE ON EACH SIDE AND BEARING EQUALLY ON STRUCTURE OR WELDED TO BEAM.
 - PROVIDE SPACING AS INDICATED.
 - THREADED AND PIPING GROOVED PIPING SHALL BE EVERY OTHER FLOOR LEVEL, AT MAXIMUM OF 25 FEET ON CENTERS.

PLUMBING SPECIFICATIONS

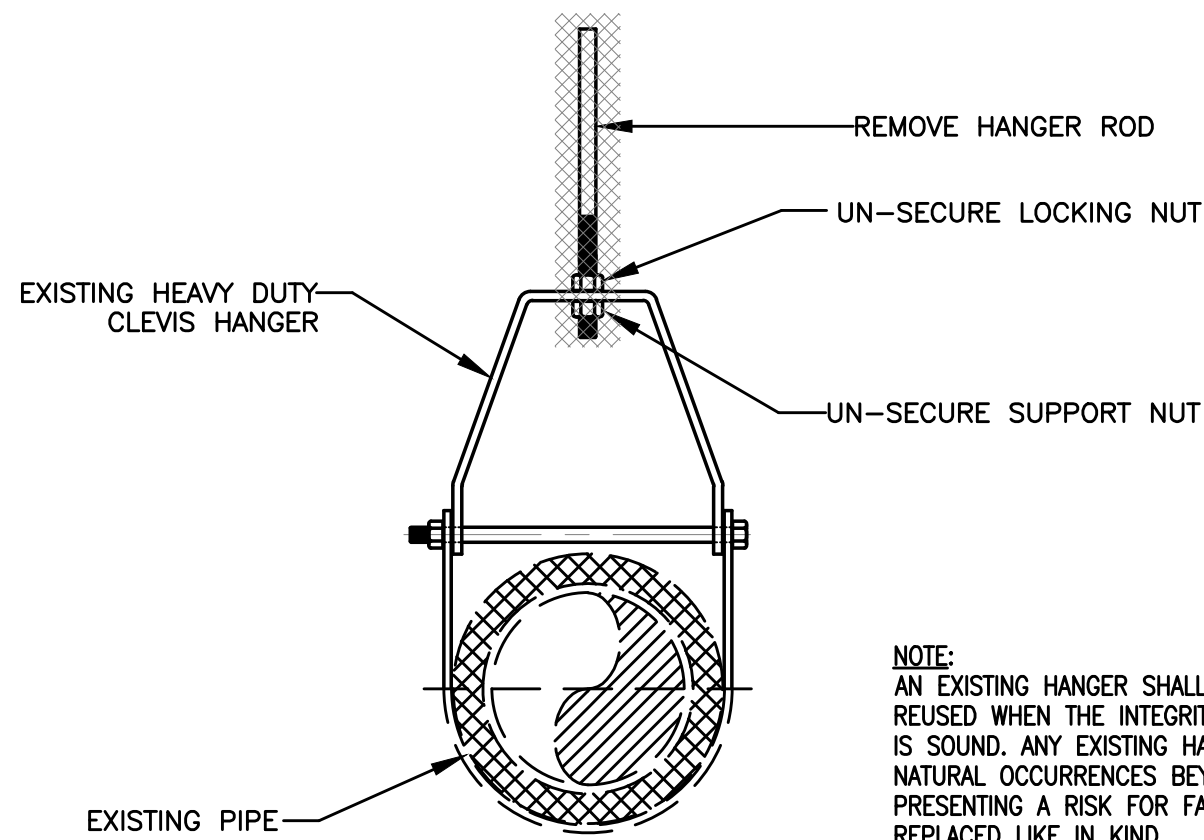
1. PIPING SUPPORTS:

- A. SUPPORT ALL PIPING FROM BUILDING CONSTRUCTION BY PROVIDING INSERTS, BEAM CLAMPS, STEEL FISHPATES (IN CONCRETE FILL ONLY), AND ACCEPTABLE BRACKETS. SUBMIT ALL METHODS FOR REVIEW.
- B. PROVIDE TRAPEZE HANGERS OF BOLTED ANGLES OR CHANNELS FOR GROUPED LINES AND SERVICES.
- C. PROVIDE ADDITIONAL FRAMING WHERE BUILDING CONSTRUCTION IS INADEQUATE. SUBMIT FOR REVIEW.
- D. SUSPENDED HORIZONTAL PIPING:
- SUPPORT ALL PIPING INDEPENDENTLY FROM STRUCTURE USING HEAVY IRON-HINGED TYPE HANGERS, SIMILAR TO GRINNELL CLEVIS NO. 260.
 - PROVIDE ELECTROPLATED SOLID-BAND HANGERS SIMILAR TO AUTO-GRIP, FOR TWO-INCH AND SMALLER PIPE.
 - PROVIDE WALL BRACKETS FOR WALL SUPPORTED PIPING AND PROVIDE PIPE SADDLES FOR FLOOR MOUNTED PIPING.
 - PROVIDE SUPPORTS WITH COPPER LINING FOR UN-INSULATED COPPER PIPING.
 - SUSPEND PIPING FROM INSERTS, USING BEAM CLAMPS WITH RETAINING CLAMP OR LOCKNUT, STEEL FISHPATES, CANTILEVER BRACKETS OR OTHER ACCEPTED MEANS. BEAM CLAMPS SHALL BE SIMILAR TO GRINNELL FIGURES 61, 87, 131, OR 225.
 - SUSPEND PIPING BY RODS WITH DOUBLE NUTS.
 - PROVIDE ADDITIONAL STEEL FRAMING AS REQUIRED AND ACCEPTED WHERE OVERHEAD CONSTRUCTION DOES NOT PERMIT FASTENING HANGER RODS IN REQUIRED LOCATIONS.
 - SUPPORT BRANCH FUTURE WATER PIPING IN CHASES WITH COPPER-PLATED METAL BRACKETS, SECURED TO STUDS, SIMILAR TO HOLD RITE NOS. 102-18, 107-18, 102-26, OR 101-26.
- E. PROVIDE 180 DEGREE ARC GALVANIZED METAL COVERING SHIELDS ON HANGERS FOR INSULATED PIPING WITHOUT INCOMPRESSIBLE INSULATING BLOCK IN INSULATION AT HANGERS.
- F. MAXIMUM HANGER SPACING AS INDICATED.
- PIPE 1 INCH AND SMALLER SHALL BE EVERY 8 FEET.
 - PIPE 1-1/4 INCH AND LARGER SHALL BE EVERY 10 FEET.
 - COPPER TUBING 1-1/4 INCH AND SMALLER SHALL BE EVERY 6 FEET.
 - COPPER TUBING 1-1/2 INCH AND LARGER SHALL BE EVERY 10 FEET.
 - CAST IRON: EVERY FIVE FEET AND AT EVERY FITTING OR JOINT.
- G. VERTICAL PIPING:
- PROVIDE SPACING AS INDICATED:
 - THREADED PIPING SHALL BE EVERY OTHER FLOOR LEVEL, AT A MAXIMUM OF 25 FEET ON CENTERS.
 - CAST IRON PIPING SHALL BE EVERY FLOOR LEVEL, MAXIMUM 20 FEET ON CENTERS; HUBLESS PIPE IS THE EXCEPTION, REQUIRING A MAXIMUM OF 10 FEET ON CENTERS.
 - TUBING SHALL BE EVERY FLOOR LEVEL MAXIMUM TEN FEET ON CENTERS.

2. INSULATION:

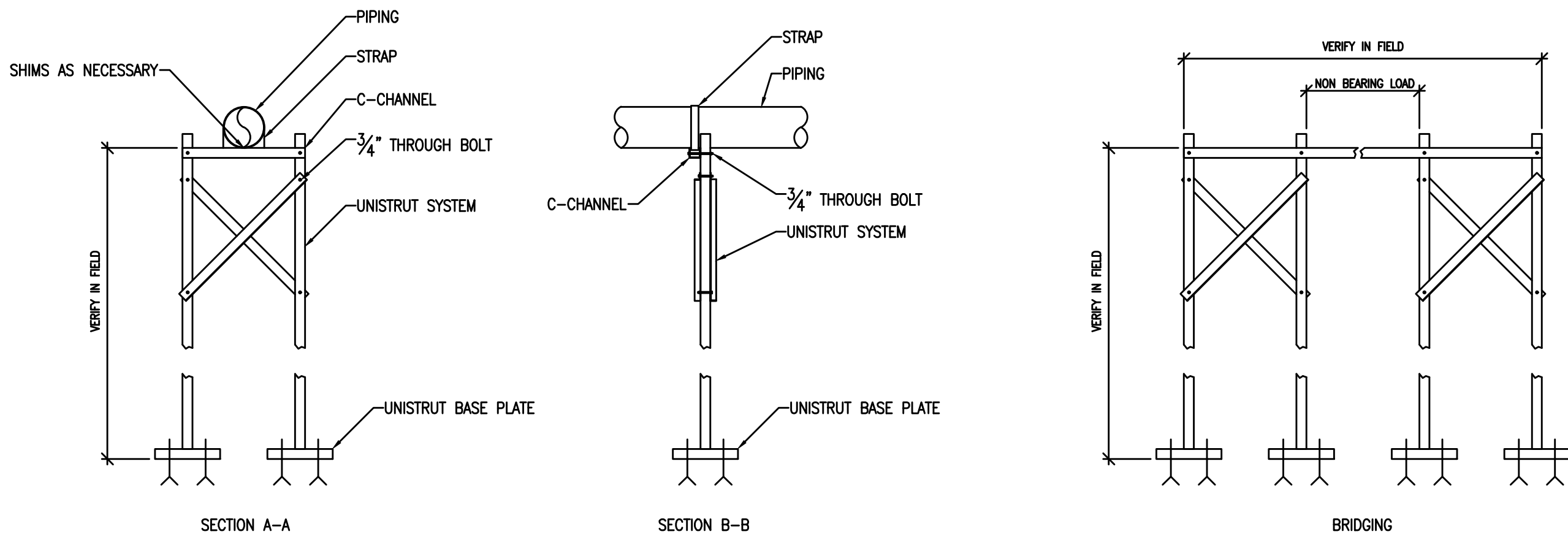
- A. ALL INSULATION (INCLUDING JACKET, FACING AND ADHESIVE) SHALL HAVE PROCEDURES LISTED IN ASTM E-84, NFPA 255 AND UL 273; NOT EXCEEDING A FLAME SPREAD OF 25 AND A SMOKE DEVELOPED OF 50.
- B. ON VALVES AND FITTINGS PROVIDE PRE-MOLDED FIBERGLASS FITTINGS. VAPOR SEAL INSULATION ON CW AND HW.
- C. CW PIPING: PROVIDE 1 IN. THICK FIBERGLASS SECTION PIPE COVERING WITH VAPOR BARRIER JACKET.
- D. HW PIPING: PROVIDE 1 IN. THICK FIBERGLASS SECTIONAL PIPE COVERING.

PLUMBING SYMBOL LIST	
NOTE: NOT ALL SYMBOLS ARE USED	
SYMBOL	DESCRIPTION
----	EXISTING PIPING TO REMAIN
----	EXISTING COLD WATER PIPING TO REMAIN
----	EXISTING HOT WATER PIPING TO REMAIN
----	HOT WATER RETURN PIPING (HWR)
----	EXISTING GAS PIPING
○	PIPE RISE OR UP THRU SLAB
⊖	PIPE DROP OR DOWN THRU SLAB
⊖	BOTTOM OF PIPE TAKE-OFF CONNECTION
⊖	TOP OF PIPE TAKE-OFF CONNECTION
●	EXISTING BALL VALVE
⊖	EXISTING GAS SHUT OFF VALVE
⊖	EXISTING GAS REGULATOR
⊖	EXISTING FIRE DEPARTMENT CONNECTION
⊖	EXISTING FLOW SWITCH
⊖	EXISTING TAMPER SWITCH
EX.	EXISTING



HANGER DETAIL
SCALE: NTS

NOTE:
AN EXISTING HANGER SHALL ONLY REMAIN TO BE REUSED WHEN THE INTEGRITY OF EACH COMPONENT IS SOUND. ANY EXISTING HANGERS DAMAGED FROM NATURAL OCCURRENCES BEYOND REPAIR AND PRESENTING A RISK FOR FAILURE SHALL BE REPLACED LIKE IN KIND.



TYPICAL TEMPORARY PIPING SUPPORT STAND DETAIL
SCALE: NTS

NOTES:
PROVIDE UNISTRUT SYSTEM ASSEMBLY IN PLACE PRIOR TO DISASSEMBLING HANGERS. ONCE UNISTRUT SYSTEM IS SECURED IN PLACE, DISENGAGE HANGERS.

GENERAL CONTRACTOR TO COORDINATE SUPPORT SYSTEM BETWEEN ALL TRADES ACCORDINGLY. STRUCTURAL ENGINEER OF RECORD SHALL PROVIDE SIZING, STEEL GAUGE, BRACING AND ALL DESIGN METHODS APPLICABLE TO SUPPORT HUNG MECHANICAL ROOM SYSTEMS FROM THE FLOOR ACCORDINGLY. SEE STRUCTURAL NOTES FOR FURTHER DETAILS.

PIPING SHALL NOT BE HELD BY ITS OWN WEIGHT, FLEX OR SAG BETWEEN FITTINGS. ANY PLUMBING DAMAGES OCCURRED DUE TO IMPROPER SUPPORT CAUSING LEAKS, FLOW RESTRICTIONS, ETC SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR UNDER THEIR OWN EXPENSE.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO INVESTIGATE AND ACCOUNT ALL NECESSARY WORK TO BE PERFORMED WITH CARE. ANY UNFORESEEN DAMAGES SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE WITH LIKE IN KIND MATERIALS.

INSTALL PIPING SUPPORTS AT EACH HORIZONTAL INTERVAL SPECIFIED IN 2021 INTERNATIONAL PLUMBING CODE, TABLE 308.5.

ALL PIPING PENETRATING EXISTING ROOF STRUCTURE SHALL BE CUT, CAPPED AND READY FOR ROOF REMOVAL. REPLACE PIPING LIKE IN KIND AND ENSURE WATER TIGHT FLASHING IS INSTALLED.

REMOVE TEMPORARY PIPING SUPPORT SYSTEM AFTER HANGERS ARE SECURED IN PLACE. CONSULT WITH OWNER TO EITHER DISPOSE AND/OR STORE REMOVED TEMPORARY SUPPORT SYSTEM WITH CARE. CONTRACTOR IS RESPONSIBLE FOR LABOR AND MATERIALS TO REPLACE DAMAGED PROPERTY WITH LIKE IN KIND MATERIALS.

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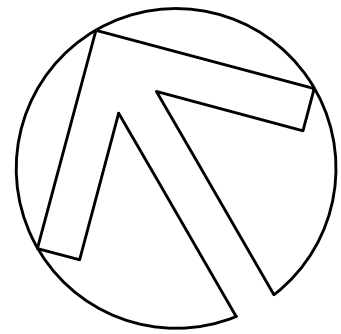
333 Westchester Avenue
White Plains, New York 10604
914-741-1115

MEP ENGINEER



252 EAST AVENUE
NORWALK, CT 06855
O: 203 866 4646

1	2/11/2026	ISSUED FOR BID
ISSUE NO.	ISSUE DATE	DESCRIPTION



**EAST LYME HIGH
SCHOOL -
AQUATIC CENTER
ROOF REPLACEMENT,
30 CHESTERFIELD ROAD
EAST LYME, CT 06333**

**PLUMBING NOTES,
LEGEND, DETAILS AND
SPECIFICATIONS**

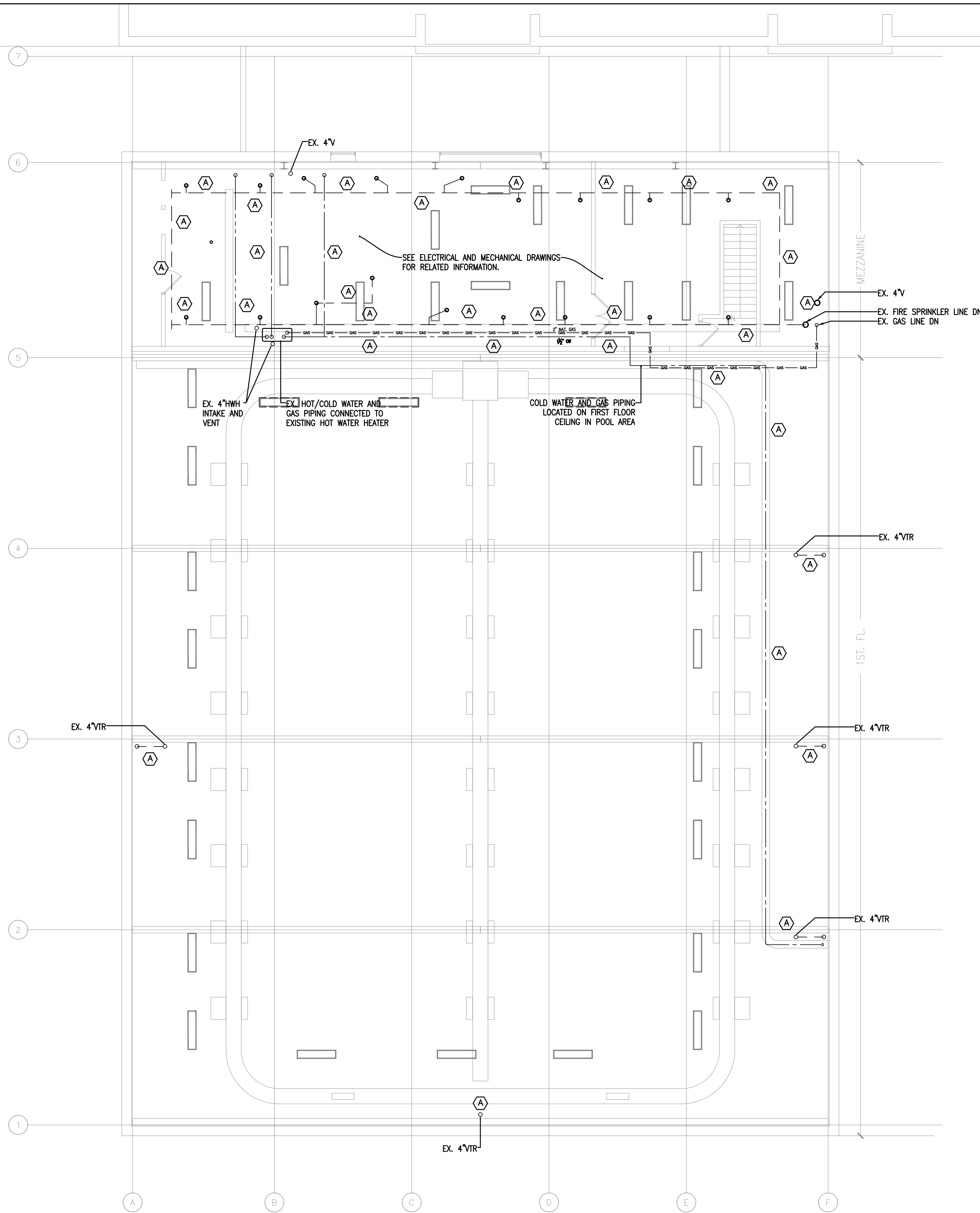
PROJECT NO.: 2745-02 SCALE: AS NOTED

DRAWING NO.:

P001

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one eighth inch = one foot
0 4 8
one quarter inch = one foot
0 4 8
three eighths inch = one foot
0 4 8
one half inch = one foot
0 4
three quarters inch = one foot
0 6
one inch = one foot
0 6



1 PLUMBING MEZZANINE DEMOLITION REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

DEMO KEY NOTES:

- (A) TEMPORARILY SUPPORT OF EXISTING PIPING WITH APPROVED FLOOR MOUNT UNISTRUT SYSTEM AND THREADED RODS PER DETAILS PRIOR TO HANGER REMOVAL OF EXISTING PIPING. DISCONNECT EXISTING HANGERS FROM PURLINS AND LEAVE THEM IN PLACE FOR FUTURE CONNECTION.

NOTE:
CONTACT THE LOCAL FIRE DEPARTMENT IN THE EVENT THE EXISTING FIRE SPRINKLER SYSTEM IS TO BE TEMPORARY DECOMMISSIONED. PLEASE CONTACT THE TOWN OF EAST LYME FIRE DEPARTMENT A MINIMUM 2 WEEKS IN ADVANCE BEFORE START OF WORK:

EAST LYME FIRE DEPARTMENT:
860-235-8394

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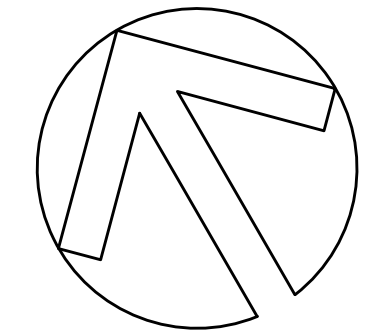
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**EAST LYME HIGH
SCHOOL -
AQUATIC CENTER
ROOF REPLACEMENT,
30 CHESTERFIELD ROAD
EAST LYME, CT 06333**

**PLUMBING
MEZZANINE
DEMO RCP**

PROJECT NO.: 2745-02 SCALE: AS NOTED

DRAWING NO.:

PD100

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one eighth inch = one foot

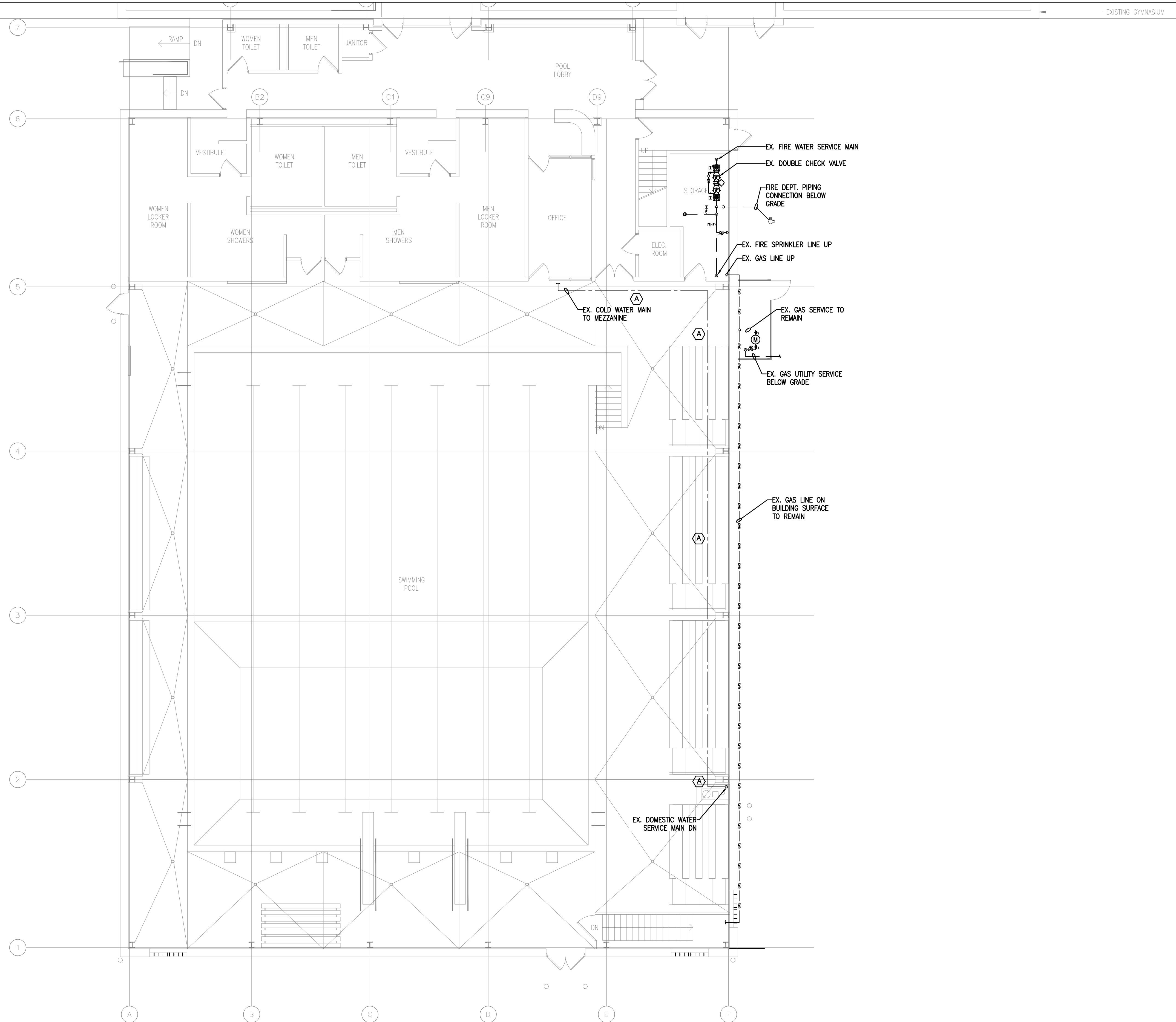
one quarter inch = one foot

three eighths inch = one foot

one half inch = one foot

three quarters inch = one foot

one inch = one foot



1 PLUMBING FIRST FLOOR CONSTRUCTION PLAN
SCALE: 1/8" = 1'-0"

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Associates Architects D.P.C.

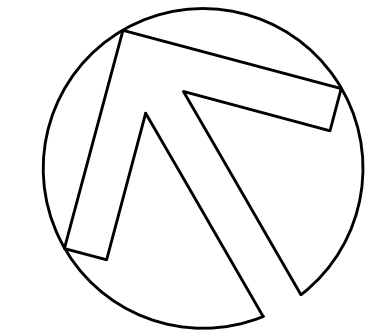
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**EAST LYME HIGH
SCHOOL -
AQUATIC CENTER
ROOF REPLACEMENT,
30 CHESTERFIELD ROAD
EAST LYME, CT 06333**

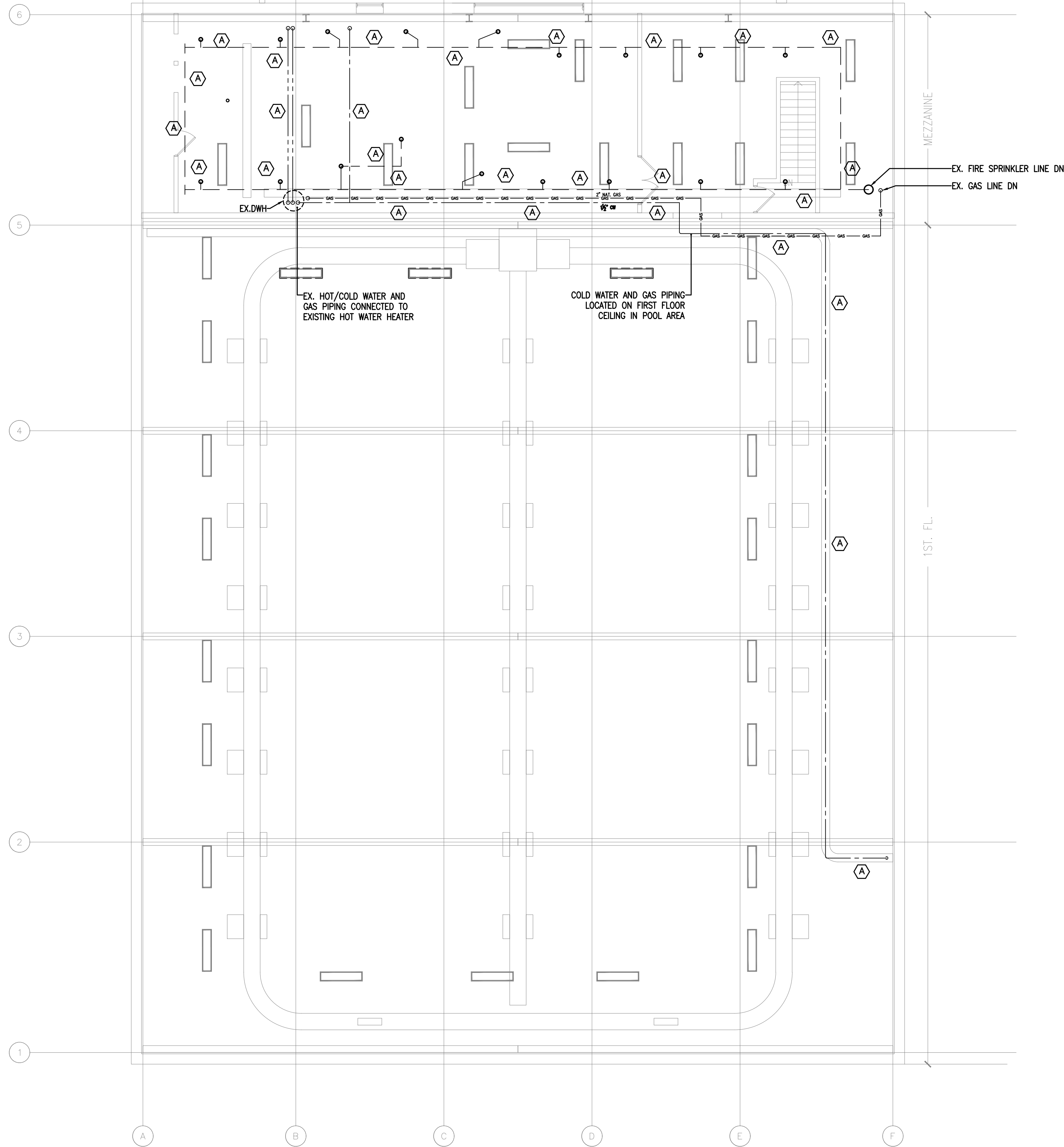
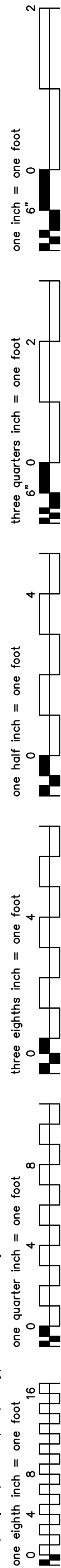
**PLUMBING
FIRST FLOOR
CONSTRUCTION PLAN**

PROJECT NO.: 2745-02 SCALE: AS NOTED

DRAWING NO.:

P100

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KEY NOTES:

- A REMOVE TEMPORARY PIPE SUPPORTS FROM THE FLOOR. REUSE EXISTING HANGERS AND REATTACH TO NEW PURLINS. TEST EACH PIPING SYSTEM PER LOCAL CODE. THE CONTRACTOR WILL CONDUCT A THOROUGH INSPECTION OF THE EXISTING PIPING SYSTEM TO IDENTIFY ALL AREAS THAT EXHIBIT SIGNS OF LEAKAGE. EVIDENCE OF PIPES AND/OR FITTINGS LEAKING SHALL BE REPLACED WITH LIKE IN KIND MATERIALS. THE REPLACEMENT OF MATERIALS TO ENSURE A WATERTIGHT SYSTEM AND LABOR SHALL BE AT THE EXPENSE OF THIS CONTRACTOR.

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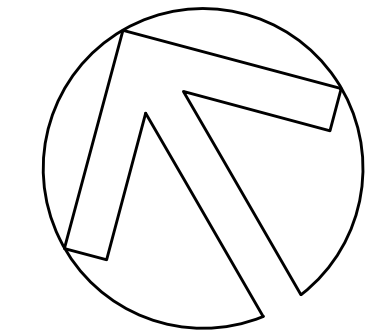
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EAST LYME HIGH
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ROOF REPLACEMENT,
30 CHESTERFIELD ROAD
EAST LYME, CT 06333

PLUMBING
MEZZANINE
CONSTRUCTION RCP

PROJECT NO.: 2745-02 SCALE: AS NOTED

DRAWING NO.:

P101

1 PLUMBING MEZZANINE CONSTRUCTION REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

one eighth inch = one foot
0 4 8 16

one quarter inch = one foot
0 4 8

three eighths inch = one foot
0 4

one half inch = one foot
0 4

three quarters inch = one foot
0 2

one inch = one foot
0 6

GENERAL DEMOLITION NOTES – MECH

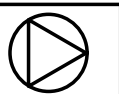
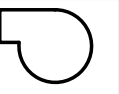
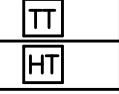
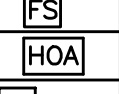
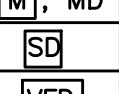
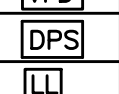
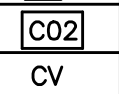
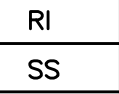
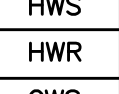
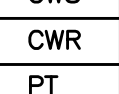
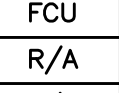
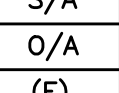
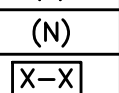
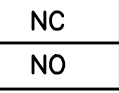
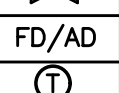
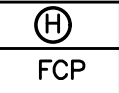
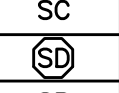
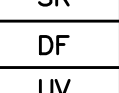
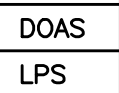
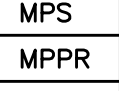
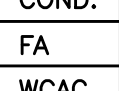
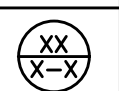
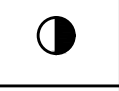
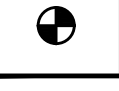
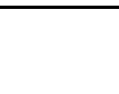
- ALL DEMOLITION WORK TO BE COORDINATED WITH OWNER TO AVOID DISTURBANCES TO OTHER OCCUPANTS. ALL DEMOLITION WORK TO BE DONE DURING THE HOURS DESIGNATED.
- MAINTAIN STABLE AND SAFE CONDITIONS AT ALL TIMES, TAKING CAUTION TO PROTECT THE EXISTING AND ADJACENT AREAS AND THEIR OCCUPANTS.
- DEMOLISHED MATERIAL, NOT IDENTIFIED FOR SALVAGE BY THE OWNER, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE COMPLETELY REMOVED FROM THE JOB SITE.
- PROVIDE PROTECTION TO ALL EXISTING ELECTRICAL, MECHANICAL, PLUMBING, AND SPRINKLER EQUIPMENT TO REMAIN.
- COORDINATE WITH GENERAL CONTRACTOR TO REMOVE ALL ABANDONED BRANCH CIRCUITING FROM EXISTING LOCATIONS, TRACE BACK TO THEIR SOURCE AND TAG.
- ALL LIFE SAFETY EQUIPMENT AND ASSOCIATED CONDUIT AND WIRING SHALL BE PROTECTED FROM ANY PHYSICAL DAMAGE DURING DEMOLITION AND/OR CONSTRUCTION.
- THE SCOPE OF THE DEMOLITION WORK HAS GENERALLY BEEN INDICATED ON THE DRAWING FOR CONTRACTORS INFORMATION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE FULL SCOPE, EXTENT, NATURE AND MANNER OF DEMOLITION REQUIRED.
- ONLY WORKMEN SKILLED AND KNOWLEDGEABLE IN THEIR RESPECTIVE TRADES SHALL BE ENGAGED IN THE DEMOLITION OF ANY WORK.
- CONTRACTORS SHALL TAKE SPECIAL CARE TO DEMOLISH ONLY THAT WORK WHICH IS REQUIRED TO BE DEMOLISHED AND NOT TO DISTURB ANY WORK WHICH IS TO REMAIN. IF IN THE COURSE OF DEMOLITION, CONTRACTOR DESTROYS OR DISTURBS ANY WORK WHICH IS TO REMAIN, THEN HE SHALL AT HIS OWN EXPENSE, REPAIR OR REPLACE SUCH WORK AS NECESSARY.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND JOB CONDITIONS PRIOR TO SUBMITTING BIDS AND SHALL REPORT TO THE ARCHITECT ANY DISCREPANCIES OR OMISSIONS WHICH WOULD INTERFERE WITH SATISFACTORY COMPLETION OF WORK.
- SAVE (E) MECHANICAL PARTS THAT SHALL BE REUSED IN CONDITIONED DRY SPACE.

PROJECT DESCRIPTION

- THE PRIMARY INTENT OF THIS PROJECT IS TO TEMPORARY SUPPORT (E) MECHANICAL DUCTWORK, PIPING, EQUIPMENT AND CONTROLS WHICH ARE CURRENTLY SUSPENDED FROM THE ROOF STRUCTURE TO ALLOW ROOF REPLACEMENT. INSTALL ALL NECESSARY BRACKETS AND SUPPORTS FROM THE FLOOR IN THE MECHANICAL MEZZANINE AND SUPPORTS IN THE POOL AREA AS PER MECHANICAL DETAILS. SOME OF THE EXISTING EQUIPMENT AND PARTS SHALL BE TEMPORARILY DISCONNECTED, SAVED DURING THE ROOF REPLACEMENT PROCESS AND REINSTALLED AFTER INSTALLATION IS COMPLETE.
- CONTRACTOR IS ENCOURAGED TO PREPARE SUBMITTALS FOR LONG LEAD ITEMS AND ISSUE TO DESIGN ENGINEER IMMEDIATELY FOLLOWING AWARD OF CONTRACT.
- CONTRACTOR SHALL NOTE THAT EXISTING CONTROLS ARE BY AUTOMATED LOGIC CORP. MECHANICAL CONTRACTOR SHALL ENGAGE EXISTING BUILDING CONTROLS VENDOR TO INTEGRATE NEW EQUIPMENT INTO EXISTING BUILDING AUTOMATED SYSTEM. SEE CONTROLS DIAGRAMS FOR ADDITIONAL INFORMATION.

PROJECT NOTES:

- ALL BIDDERS SHALL VISIT PROJECT SITE TO THOROUGHLY FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS. CLAIMS FOR EXTRA PAYMENTS FOR WORK, WHICH COULD HAVE BEEN IDENTIFIED VIA CAREFUL SITE INSPECTION, WILL NOT BE ACKNOWLEDGED.
- ANY REQUIRED CUTTING AND PATCHING OF ROOF, MECHANICAL CONTRACTOR SHALL COORDINATE WITH ROOFING CONTRACTOR THE LOCATION AND SIZE, BUT ROOFING CONTRACTOR WILL MAKE PENETRATIONS. BIDDERS SHALL IDENTIFY AND COORDINATE ANY REQUIRED CUTTING/PATCHING PRIOR TO CONSTRUCTION AND COORDINATE WITH OWNER PRIOR TO EXECUTION.
- ALL DUCTWORK AND PIPING SUPPORTS SHALL BE REPLACED AFTER ROOFING INSTALLATION IN THE SAME MANNER AS PRIOR TO DEMOLITION. RECORD THE EXISTING CONDITION PRIOR TO THE DEMO PROCESS.

LEGEND	
	FAN OR PUMP
	FAN OR PUMP
	TEMPERATURE TRANSMITTER
	HUMIDITY TRANSMITTER
	FLOW SWITCH
	HAND OFF AUTO
	MOTORIZED OPERATOR
	SMOKE DETECTOR
	VARIABLE FREQUENCY DRIVE
	DIFFERENTIAL PRESSURE SWITCH
	LOW LIMIT SWITCH (FREEZE/STAT)
	CARBON DIOXIDE LEVEL SENSOR
	CONTROL VALVE (MODULATING)
	RUN INDICATOR
	START/STOP
	HOT WATER SUPPLY
	HOT WATER RETURN
	CONDENSER WATER SUPPLY
	CONDENSER WATER RETURN
	PRESSURE TRANSDUCER
	ZONE DAMPER
	AIR HANDLING UNIT
	FAN COIL UNIT
	RETURN AIR
	SUPPLY AIR
	OUTSIDE AIR
	EXISTING
	NEW
	ZONE DESIGNATION
	NORMALLY CLOSED
	NORMALLY OPEN
	VOLUME DAMPER
	EXHAUST FAN
	ISOLATION VALVE
	FIRE DAMPER WITH ACCESS DOOR
	THERMOSTAT
	HUMIDISTAT
	FACTORY CONTROL PANEL
	SPEED CONTROL
	SMOKE DETECTOR (DUCT MOUNTED)
	SPEED REFERENCE
	DRIVE FAULT
	UNIT VENTILATOR
	DEDICATED OUTDOOR AIR SYSTEM
	LOW PRESSURE STEAM
	MEDIUM PRESSURE STEAM
	MEDIUM PRESSURE PUMPED RET.
	CONDENSATE
	FILTER ALARM
	WATER COOLED AIR CONDITIONER
	BAS INTERFACE POINT (NEW UNLESS OTHERWISE NOTED)
	POINT OF DISCONNECTION, EXISTING WORK FROM EXISTING
	POINT OF CONNECTION, NEW WORK TO EXISTING

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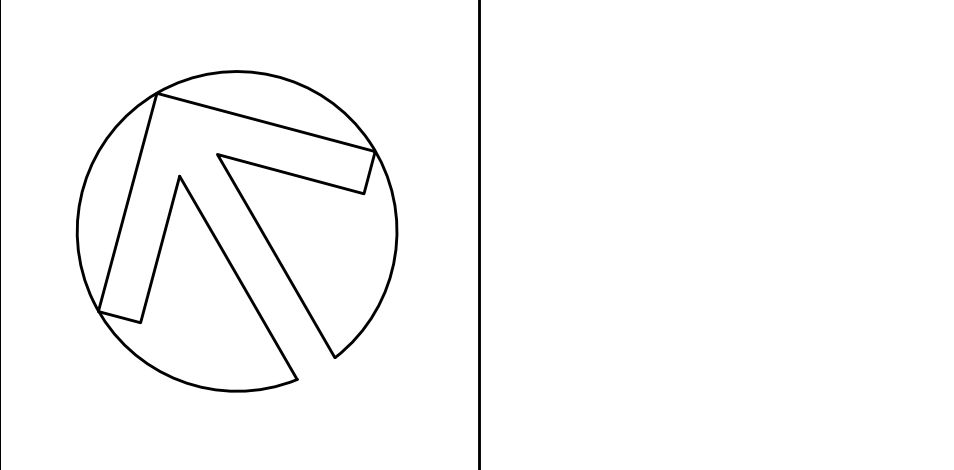
333 Westchester Avenue
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MEP ENGINEER



252 EAST AVENUE
NORWALK, CT 06855
O: 203 866 4646

1	2/11/2026	ISSUED FOR BID
ISSUE NO.	ISSUE DATE	DESCRIPTION



**EAST LYME HIGH
SCHOOL -
AQUATIC CENTER
ROOF REPLACEMENT,
30 CHESTERFIELD ROAD
EAST LYME, CT 06333**

**MECHANICAL
SYMBOLS, NOTES AND
LEGEND**

PROJECT NO.: 2745-02 SCALE: AS NOTED

DRAWING NO.:

M001

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one eighth inch = one foot

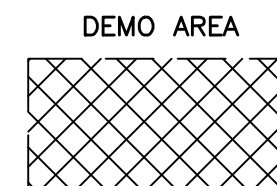
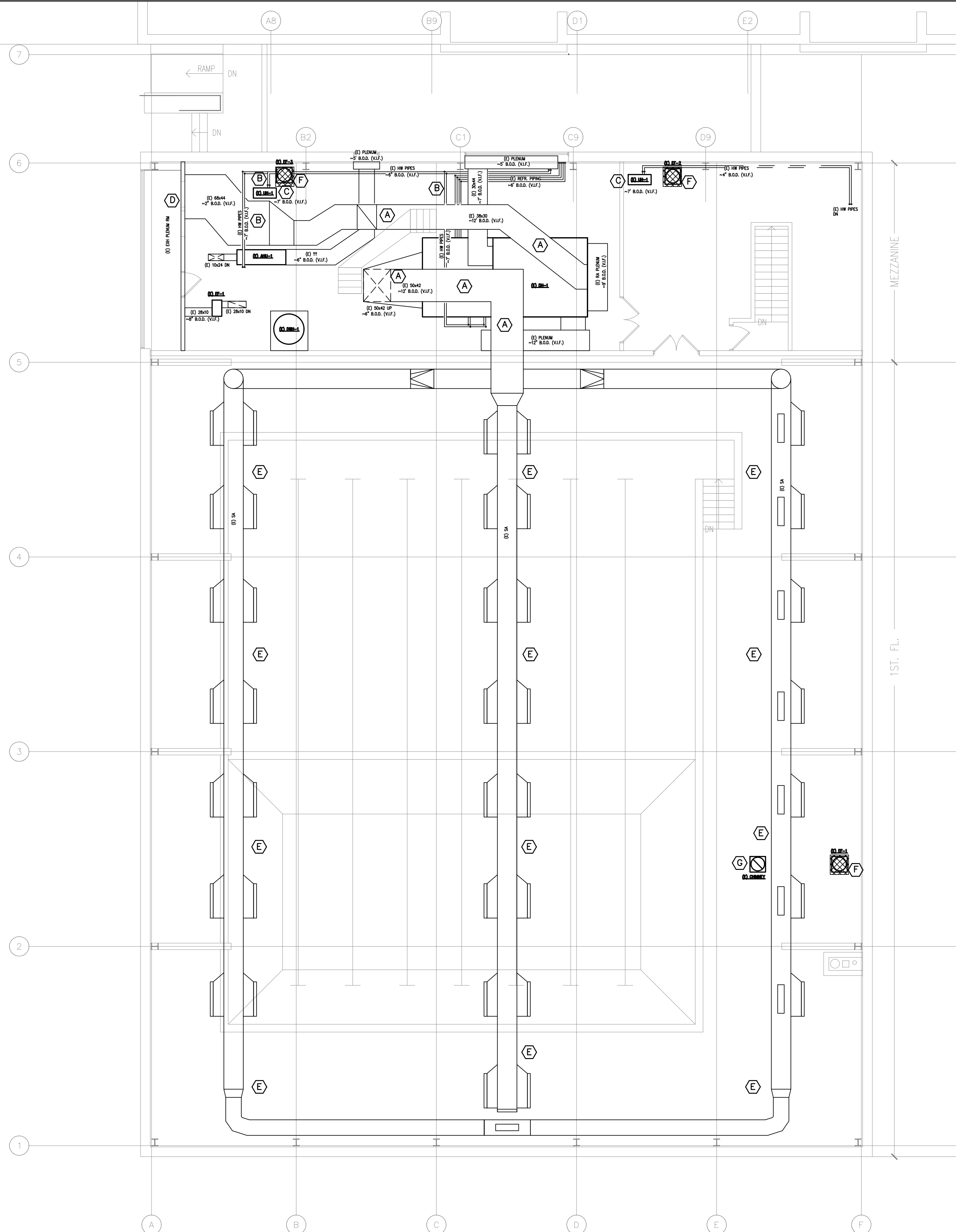
one quarter inch = one foot

three eighths inch = one foot

one half inch = one foot

three quarters inch = one foot

one inch = one foot



DEMO KEY NOTES:

- (A) PROVIDE TEMPORARY DUCT SUPPORT FROM THE FLOOR USING A UNISTRUT SYSTEM PER DETAILS. DISCONNECT AND REMOVE HANGERS FROM EXISTING PURLINS. DETAIL 1A.
- (B) PROVIDE TEMPORARY PIPE SUPPORT FROM THE FLOOR USING A UNISTRUT SYSTEM AND THREADED RODS PER DETAILS. DISCONNECT AND REMOVE HANGERS FROM EXISTING PURLINS.
- (C) PROVIDE TEMPORARY EQUIPMENT SUPPORT FROM THE FLOOR PER DETAIL. DISCONNECT AND REMOVE HANGERS FROM EXISTING PURLINS.
- (D) DISCONNECT EXISTING SHEETMETAL PARTITION FROM EXISTING PURLINS AND ROOF STRUCTURE AND REMAIN IN PLACE.
- (E) TEMPORARILY HANG EXISTING DUCTWORK FROM EXISTING BEAMS. USE TEMPORARY BRACKET CONNECTION BETWEEN THE BEAMS. DISCONNECT AND REMOVE HANGERS FROM EXISTING PURLINS.
- (F) DISCONNECT EXISTING EXHAUST FAN AND STORE FOR FUTURE REINSTALLATION. DEMO (E) CURB FROM ROOF STRUCTURE. PROVIDE ALLOWANCE FOR REPLACING THE FANS IF NOT APPLIED FOR USE.
- (G) DISCONNECT AND SALVAGE (E) CHIMNEY STACK SECTIONS, TWO ELBOWS AND (E) CHIMNEY CAP. PROVIDE ALLOWANCE FOR REPLACING THE CHIMNEY STACK IF NOT APPLIED FOR USE.

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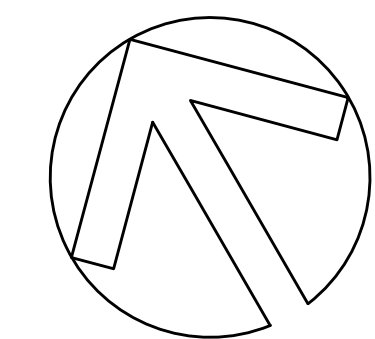
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EAST LYME HIGH
SCHOOL -
AQUATIC CENTER
ROOF REPLACEMENT,
30 CHESTERFIELD ROAD
EAST LYME, CT 06333

MECHANICAL
MEZZANINE & 1ST FL.
DEMO PLAN

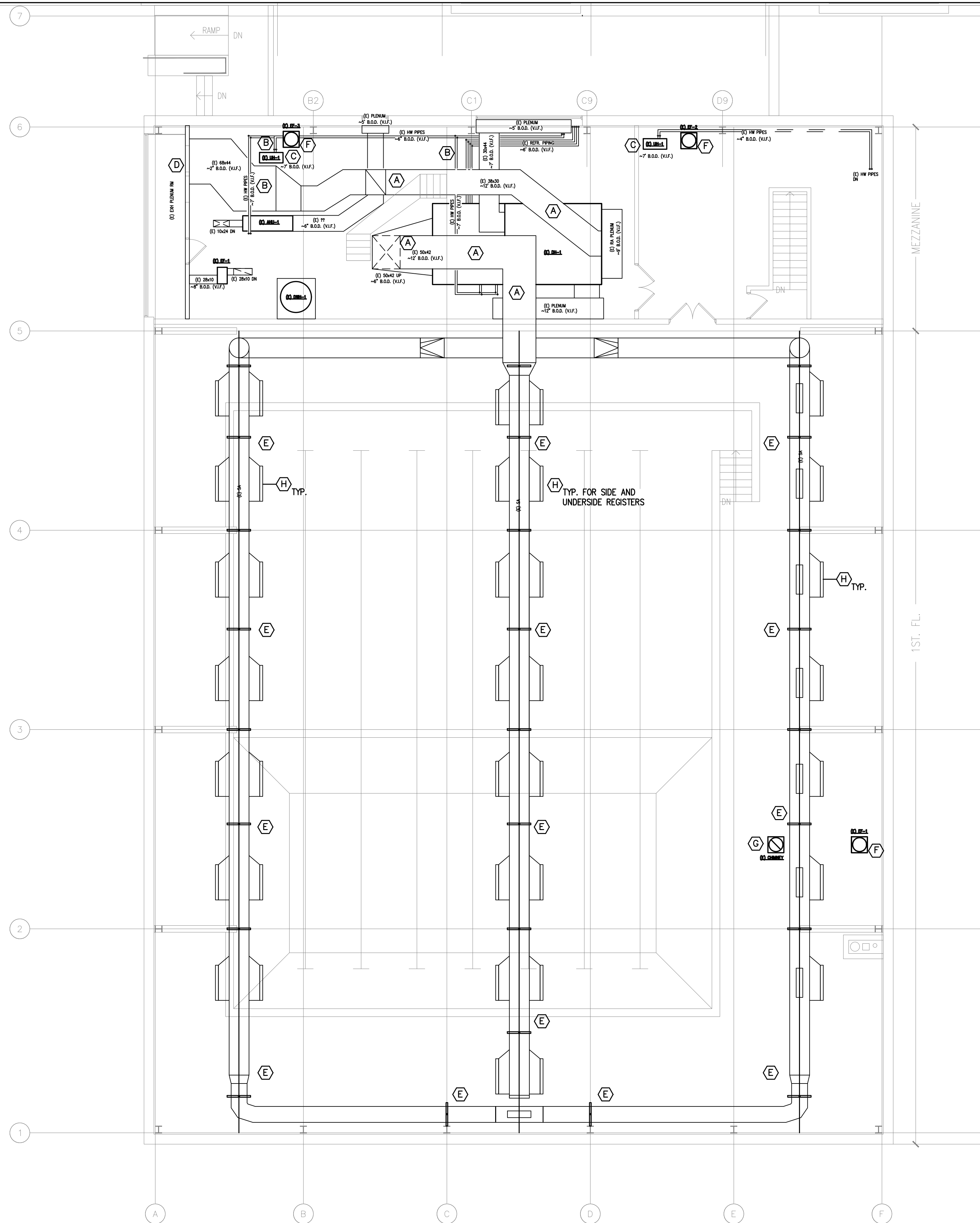
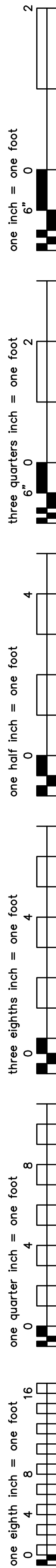
PROJECT NO.: 2745-02 SCALE: AS NOTED

DRAWING NO.:

MD100

1 MECHANICAL MEZZANINE & 1ST FL. DEMO PLAN
SCALE: 1/8" = 1'-0"

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1 MECHANICAL MEZZANINE & 1ST FL. CONSTRUCTION PLAN
SCALE: 1/8" = 1'-0"

KEY NOTES:

- (A) AFTER ROOF REPLACEMENT IS COMPLETE, PROVIDE NEW HANGERS FOR DUCTWORK AND ATTACH THEM TO THE NEW PURLINS. REMOVE TEMPORARY DUCT SUPPORT FROM THE FLOOR. DETAIL 1B.
- (B) AFTER ROOF REPLACEMENT IS COMPLETE, PROVIDE NEW HANGERS FOR PIPING AND ATTACH THEM TO THE NEW PURLINS. REMOVE TEMPORARY PIPES SUPPORT FROM THE FLOOR.
- (C) AFTER ROOF REPLACEMENT IS COMPLETE, PROVIDE NEW HANGERS FOR EQUIPMENT AND ATTACH THEM TO THE NEW PURLINS. REMOVE THE TEMPORARY SUPPORT FROM THE FLOOR.
- (D) AFTER ROOF REPLACEMENT IS COMPLETE, RECONNECT EXISTING SHEET METAL PARTITION TO THE NEW PURLINS AND ROOF. PATCH AND SEAL THE TOP PART OF NEW PARTITION.
- (E) AFTER ROOF REPLACEMENT IS COMPLETE, PROVIDE NEW DUCT HANGERS AND BEAM BRACKETS ATTACH THEM TO THE NEW PURLINS. REHANG DUCTWORK TO (N) HANGERS AND BRACKETS.
- (F) AFTER ROOF REPLACEMENT IS COMPLETE, PROVIDE NEW ROOF CURB FOR EXISTING EXHAUST FAN. THE FAN SHALL BE INSTALLED ON NEW CURB BUT IN THE EXISTING FAN LOCATION. PROVIDE ALLOWANCE FOR REPLACING THE FANS IF NOT APPLIED FOR USE.
- (G) REINSTALL (E) CHIMNEY STACK SECTIONS THROUGH THE NEW ROOF CURB. INSTALL NEW STORM COLLAR AND SEAL THE OPENING. RE-SUPPORT CHIMNEY STACK IN THE SAME MANNER WITH NEW COMPONENTS. REINSTALL (E) CHIMNEY CAP. PROVIDE ALLOWANCE FOR REPLACING THE CHIMNEY STACK IF NOT APPLIED FOR USE.
- (H) REPLACE (E) SUPPLY REGISTERS WITH (N) TITUS 300FL SERIES ALUMINUM SQUARE GRID.

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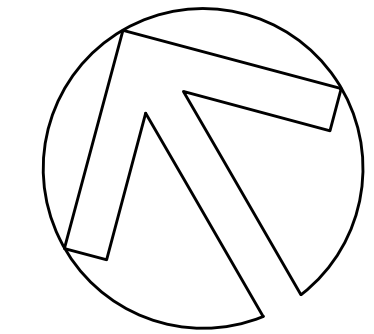
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MECHANICAL
MEZZANINE & 1ST FL.
CONSTRUCTION PLAN

PROJECT NO.: 2745-02 SCALE: AS NOTED

DRAWING NO.:

M100

one eighth inch = one foot

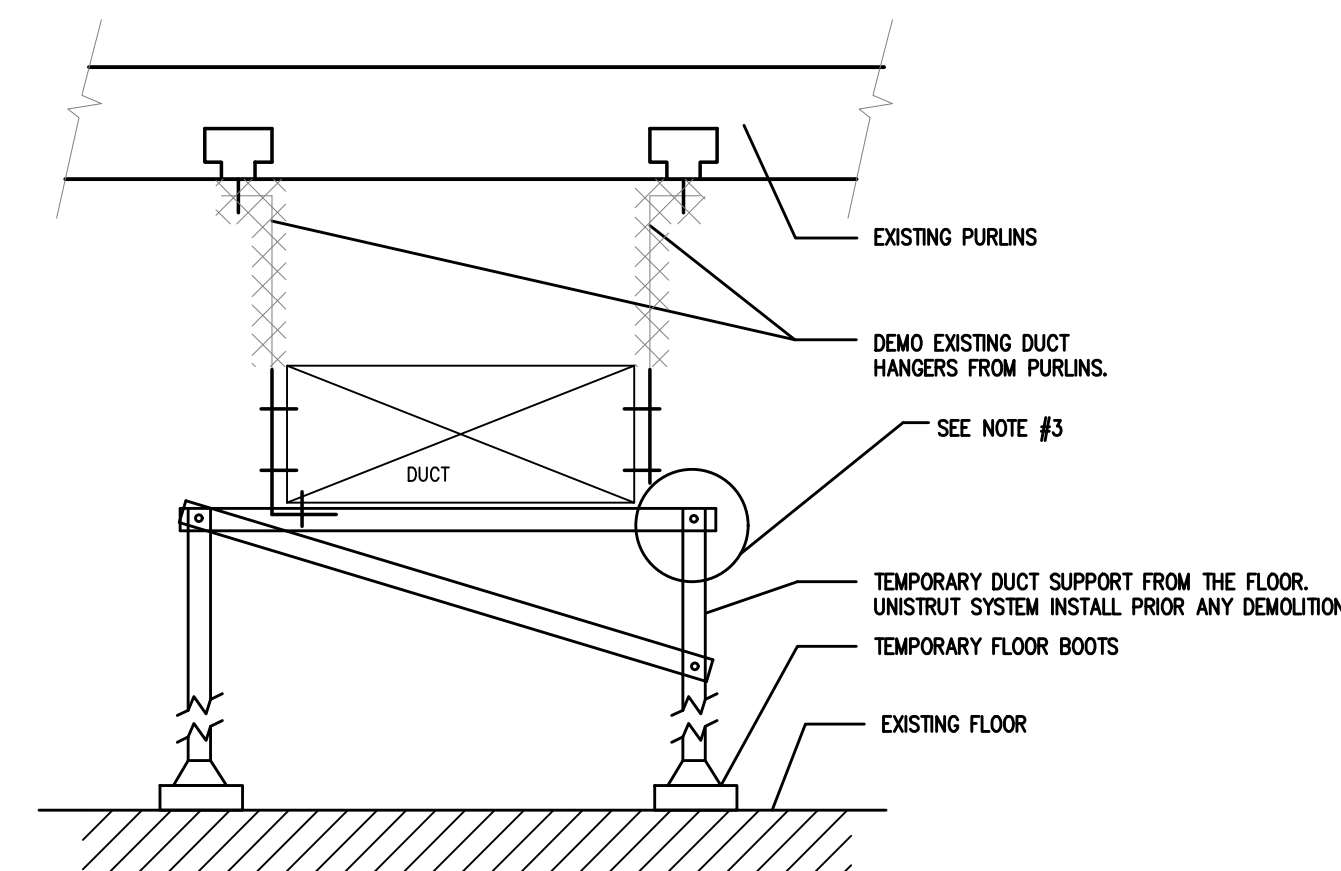
one quarter inch = one foot

three eighths inch = one foot

one half inch = one foot

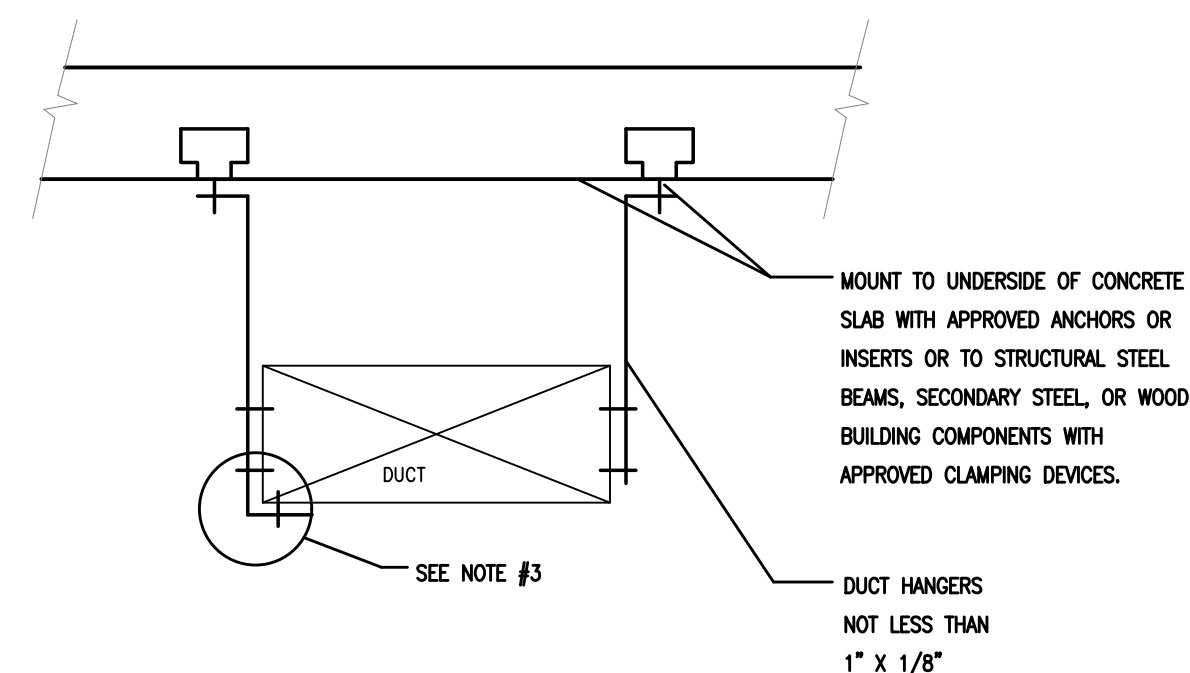
three quarters inch = one foot

one inch = one foot



1A. (DEMO PHASE) TEMPORARY DUCT FLOOR SUPPORT DETAIL

NO SCALE

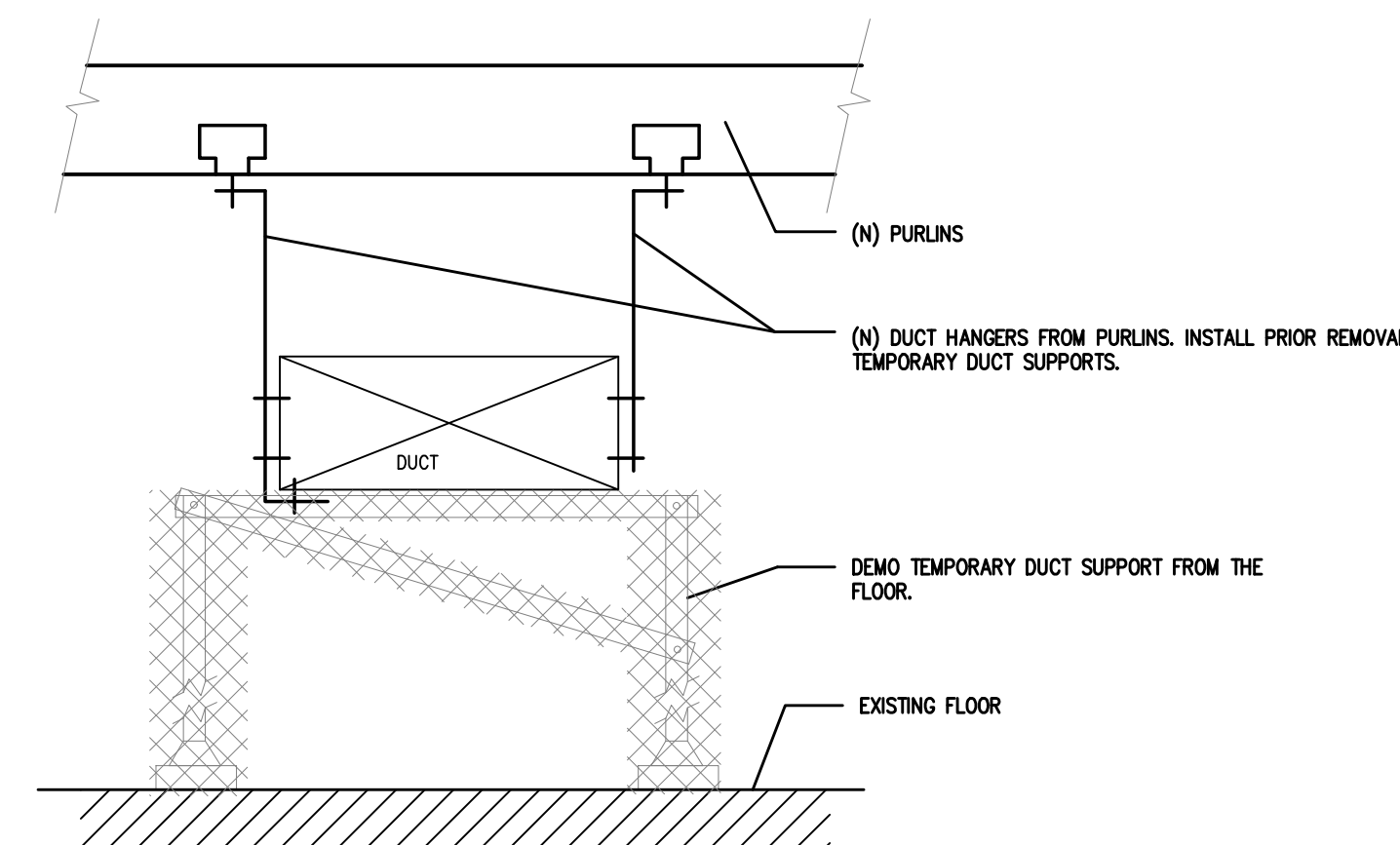


LONGEST DIMENSION OF DUCT	ROUND HANGERS	MAXIMUM SPACING SEE NOTE #4	STRAP HANGERS	TRAPEZIE SHELF ANGLES
UP TO 18"	6GA. WIRE	8'0"	1" x 1/8"	1" x 1" x 1/8"
19" TO 30"	1/4" ROD	8'0"	1" x 1/8"	1" x 1" x 1/8"
31" TO 42"	1/4" ROD	8'0"	1" x 1/8" GA.	1 1/2" x 1 1/2" x 1/8"
43" TO 60"	3/8" ROD	4'0"		1 1/2" x 1 1/2" x 1/8"
61" TO 84"	3/8" ROD	4'0"		2" x 2" x 1/8"
85" TO 96"	3/8" ROD	4'0"		2" x 2" x 3/16"
OVER 97"	3/8" ROD	4'0"		2" x 2" x 1/4"

SPECIAL HANGERS SHALL BE PROVIDED FOR #10 GAUGE BLACK STEEL DUCTS. (BOILER BREECHING AND KITCHEN EXHAUST.) AND FOR SECTION OF DUCT CONTAINING COILS OR FANS.

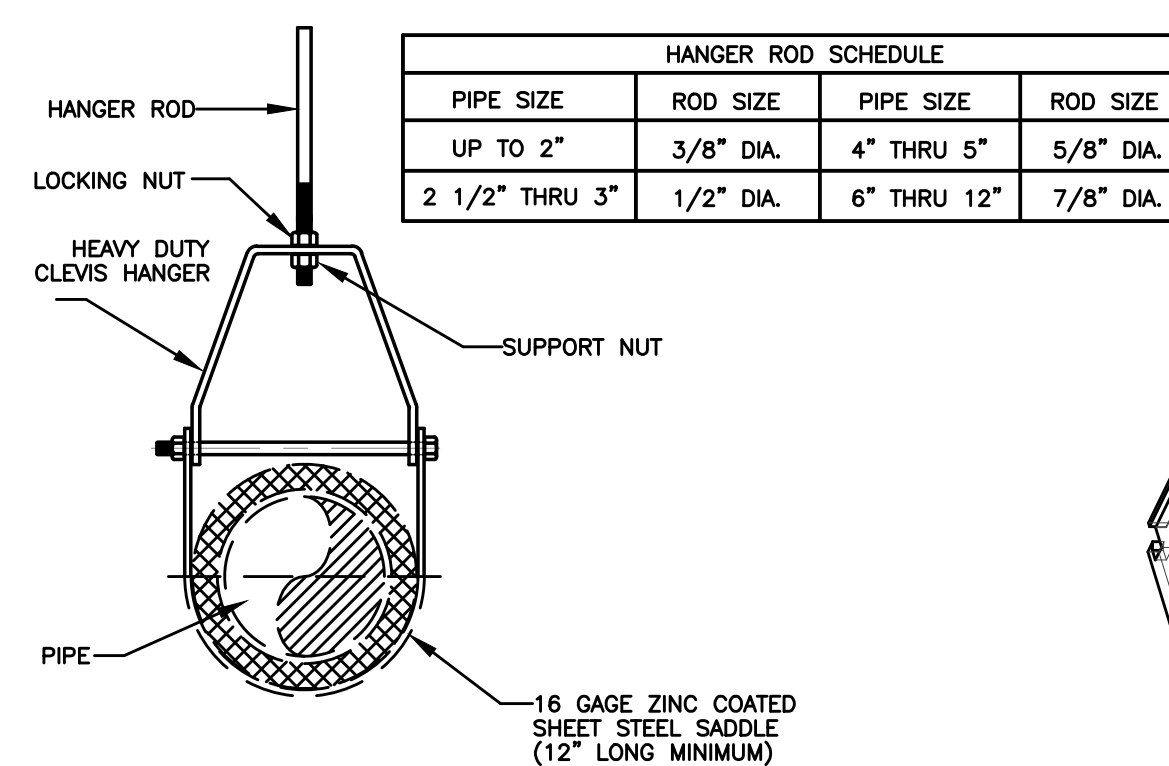
NEW HANGING DUCT SUPPORT DETAIL

NO SCALE



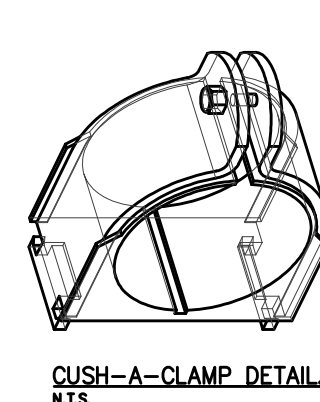
1B. (INSTALLATION PHASE) NEW DUCT HANGERS SUPPORT DETAIL

NO SCALE

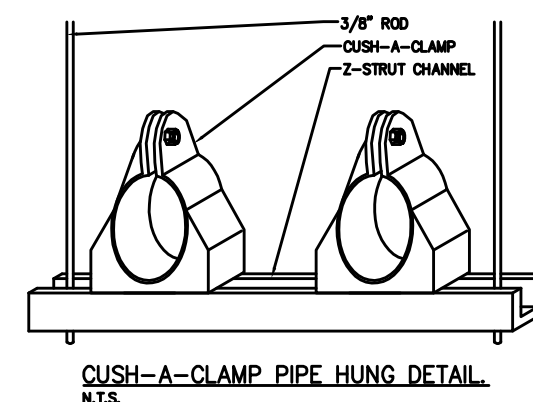


NEW CLEVIS HANGER HORIZONTAL RUNS

NO SCALE



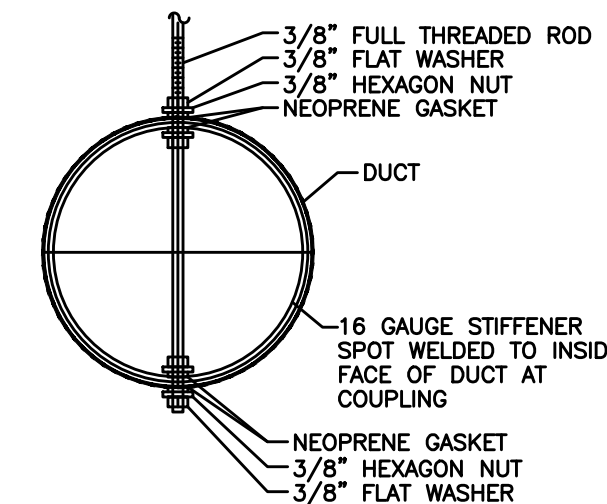
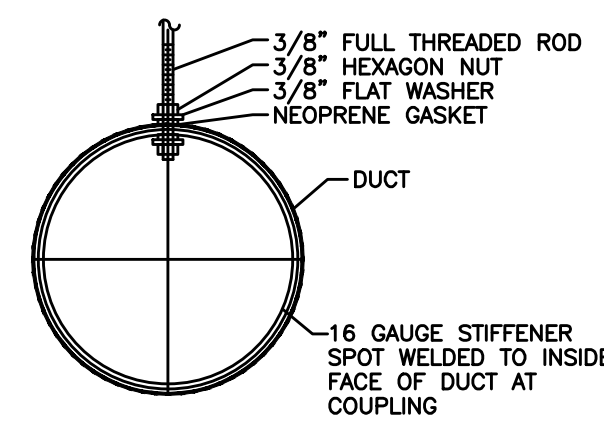
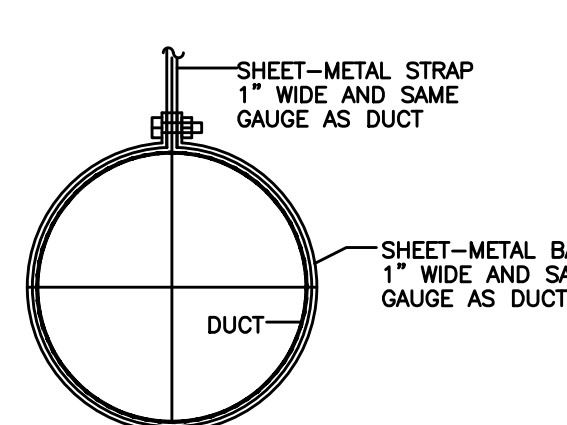
DETAIL 3



DETAIL 4

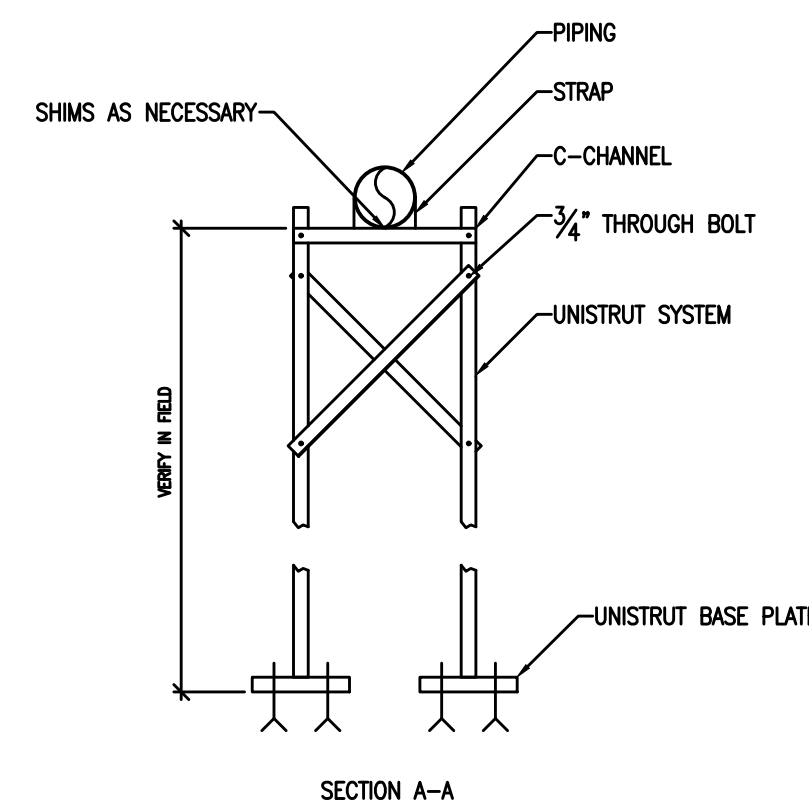
NEW CLAMPS SINGLE AND MULTI-PIPES RUNS

NO SCALE

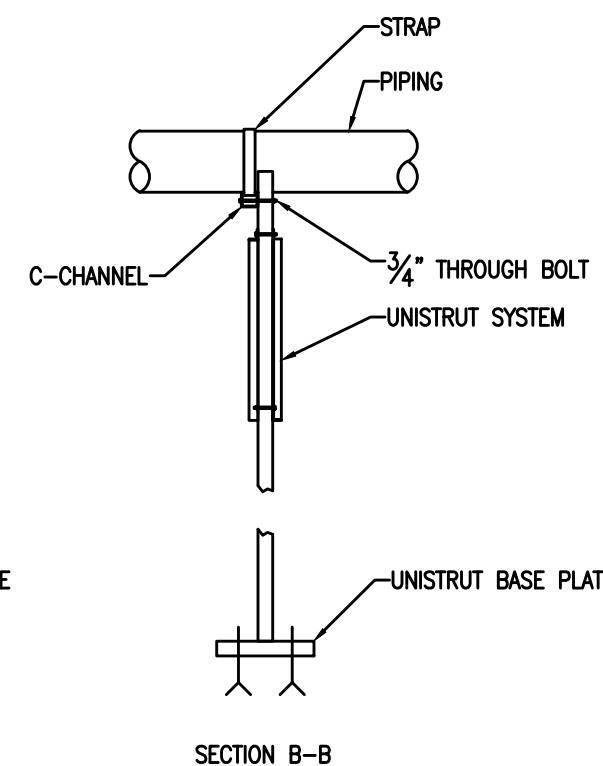


NEW ROUND DUCT SUPPORTS

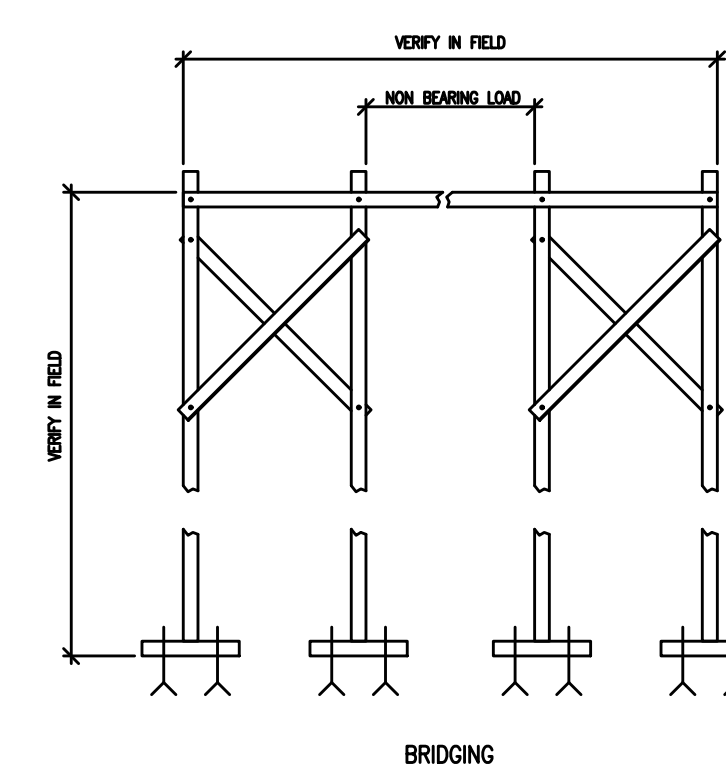
NO SCALE



SECTION A-A



SECTION B-B

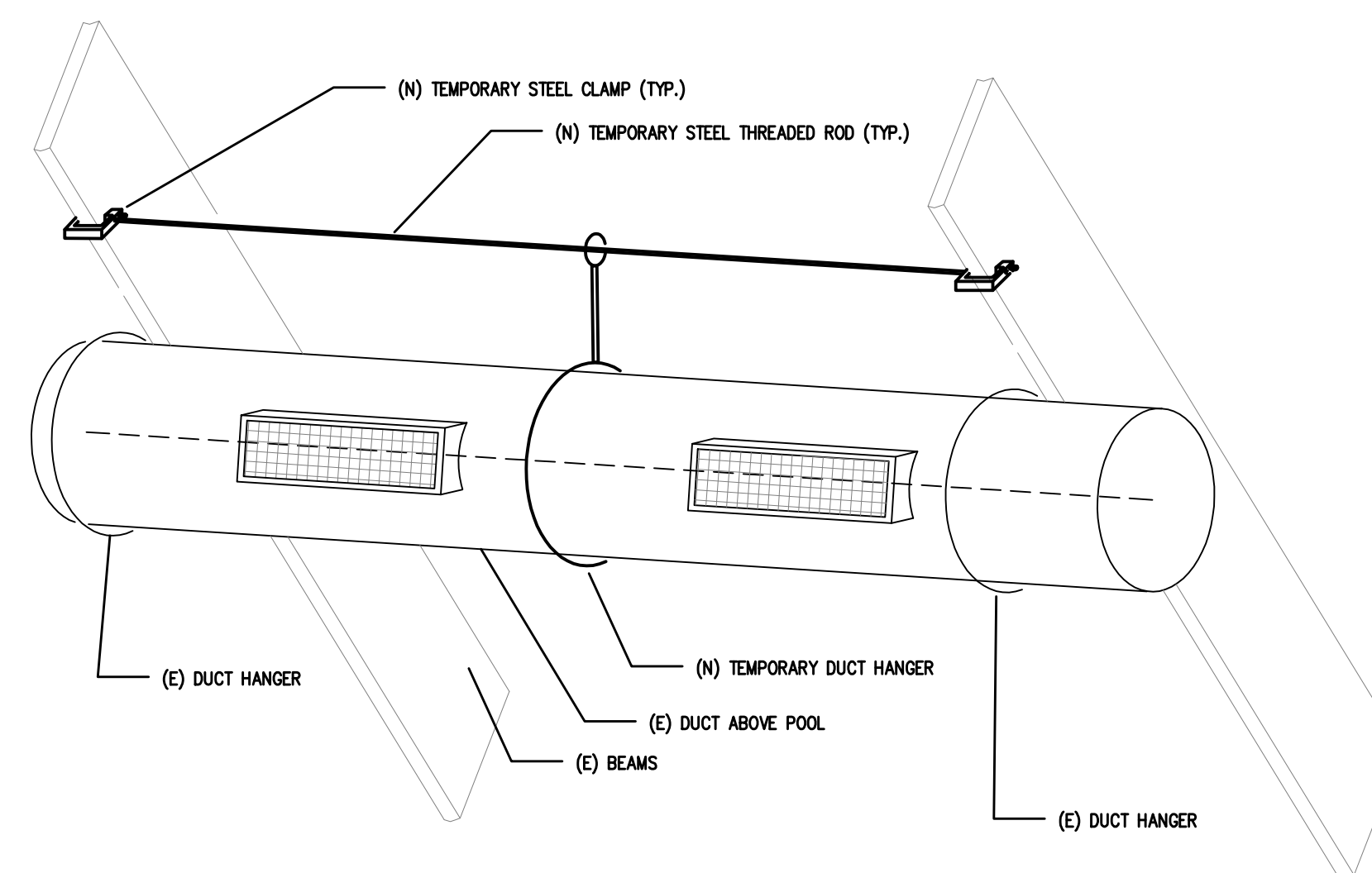


BRIDGING

TYPICAL TEMPORARY PIPING SUPPORT STAND DETAIL

NO SCALE

- NOTES:
1. ALL DUCTWORK TO BE HUNG FROM BUILDING CONSTRUCTION NOT TO BE SUPPORTED FROM HUNG CEILING.
 2. WHEN DUCT AREA EXCEEDS 850. FT. ANGLE STIFFENERS REQUIRED AROUND CIRCUMFERENCE EVERY 4'0".
 3. FOR DUCTS OVER 48" WIDE HANGERS SHALL TURN UNDER DUCT AT LEAST 2" AND SHALL BE FASTENED TO THE BOTTOM AS WELL AS TO THE SIDES OF THE DUCT.
 4. FOR DUCTS WITH CROSS SECTIONAL AREA OF 4' OR LESS, HANGERS SHALL BE NO MORE THAN 8FT. APART. FOR DUCTS WITH A CROSS SECTIONAL AREA OF MORE THAN 4 SQ. FT. BUT NOT OVER 8 SQ. FT. HANGERS SHALL BE NOT MORE THAN 6FT. APART. AND FOR DUCTS WITH A CROSS SECTIONAL AREA OF MORE THAN 8 SQ. FT. HANGERS SHALL BE NOT MORE THAN 4 FT. APART. THE DISTANCES BETWEEN SHALL BE MEASURED LINEARLY ALONG THE DUCT.
 5. VERTICAL DUCTS SHALL BE SECURELY SUPPORTED AT EACH FLOOR LEVEL BY CONTINUOUS LENGTHS OF STRUCTURAL ANGLES OF A SIZE AT LEAST EQUIVALENT TO THAT FOR STIFFENING. THE ANGLES SHALL BE FASTENED TO THE OPPOSITE SIDES OF THE DUCT AND SHALL EXTEND ACROSS THE OPENING AND BEAR UPON THE STRUCTURE OR SLAB ON BOTH SIDES OF THE OPENING.
 6. PROVIDE SEISMIC SUPPORT FOR HVAC DUCTS IN ACCORDANCE WITH APPLICABLE CODES.



TEMPORARY DUCT HANGERS (ABOVE POOL AREA) DETAIL

NO SCALE

- NOTES:**
PROVIDE UNISTRUT SYSTEM ASSEMBLY IN PLACE PRIOR TO
DISASSEMBLING HANGERS. ONCE UNISTRUT SYSTEM IS
SECURED IN PLACE, DISENGAGE HANGERS.

GENERAL CONTRACTOR TO COORDINATE SUPPORT SYSTEM BETWEEN ALL TRADES ACCORDINGLY. STRUCTURAL ENGINEER OF RECORD SHALL PROVIDE SIZING, STEEL GAUGE, BRACING AND ALL DESIGN METHODS APPLICABLE TO SUPPORT HUNG MECHANICAL ROOM SYSTEMS FROM THE FLOOR ACCORDINGLY. SEE STRUCTURAL NOTES FOR FURTHER DETAILS.

PIPING SHALL NOT BE HELD BY ITS OWN WEIGHT, FLEX OR SAG BETWEEN FITTINGS. ANY PLUMBING DAMAGES OCCURRED DUE TO IMPROPER SUPPORT CAUSING LEAKS, FLOW RESTRICTIONS, ETC SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR UNDER THEIR OWN EXPENSE.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO INVESTIGATE AND ACCOUNT ALL NECESSARY WORK TO BE PERFORMED WITH CARE. ANY UNFORESEEN DAMAGES SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE WITH LIKE IN KIND MATERIALS.

INSTALL PIPING SUPPORTS AT EACH HORIZONTAL INTERVAL SPECIFIED IN 2021 INTERNATIONAL PLUMBING CODE, TABLE 308.5.

ALL PIPING PENETRATING EXISTING ROOF STRUCTURE SHALL BE CUT, CAPPED AND READY FOR ROOF REMOVAL. REPLACE PIPING LIKE IN KIND AND ENSURE WATER TIGHT FLASHING IS INSTALLED.

REMOVE TEMPORARY PIPING SUPPORT SYSTEM AFTER HANGERS ARE SECURED IN PLACE. CONSULT WITH OWNER TO EITHER DISPOSE AND/OR STORE REMOVED TEMPORARY SUPPORT SYSTEM WITH CARE. CONTRACTOR IS RESPONSIBLE FOR LABOR AND MATERIALS TO REPLACE DAMAGED PROPERTY WITH LIKE IN KIND MATERIALS.

DEMOLITION NOTES:

1. THE CONTRACTOR SHALL INCLUDE ALL LABOR AND MATERIALS REQUIRED BY CONTRACT.
2. DISCONNECT AND REMOVE ALL EXISTING WIRING, CONDUIT, DEVICES, OUTLET BOXES WHICH ARE RENDERED USELESS IN ALL AREAS WHERE NEW WORK IS TO BE PERFORMED AND AS REQUIRED BY THE ALTERATIONS OF THE EXISTING PORTION OF THE BUILDING AS SHOWN ON DRAWINGS.
3. DEMOLITION SHALL INCLUDE REMOVAL OF ALL INDICATED ELECTRICAL WORK AS INDICATED ON ARCHITECTURAL DRAWINGS, EXCEPT NOTED TO BE PRESERVED AND ELECTRICAL WORK BEHIND BUILDING MATERIALS, WHICH SHALL BE "SAFED-OFF" BY CUTTING AND INSULATING THE CONDUCTORS WITH A LAYER OF 3M #27 AND #33 TAPE ON THE LINE SIDE AND AT THE LOAD SIDE WHERE THE RACEWAY OR CABLE PENETRATES BEHIND BUILDING MATERIALS, AND COVERING ANY SWITCH OR OUTLET BOXES WITH A BLANK COVER PLATE.
4. MAINTAIN EXISTING CIRCUIT CONTINUITY OF EXISTING ITEMS WHICH REMAIN BUT ARE AFFECTED BY THIS ALTERATION. RECONNECT ALL ALTERED OR REROUTED WORK SO THAT ANY DISTURBED INSTALLATION WILL AGAIN FUNCTION PROPERLY.
5. PROVIDE ALL NECESSARY TEMPORARY WIRING TO MAINTAIN EXISTING INSTALLATION WHICH MUST REMAIN IN SERVICE DURING CONSTRUCTION AND ALTERATION PERIOD, INCLUDING ALL CORE AREAS.
6. EXCEPT FOR ITEMS SPECIFICALLY INDICATED AS BEING REUSED, COMPLETELY ABANDON EXISTING ELECTRICAL WORK BY:
 - A. DE-ENERGIZING IT AND/OR CUTTING IT LOOSE FROM EVERY SOURCE.
 - B. CUTTING AWAY ALL EXPOSED PORTIONS AND ANY CONCEALED PORTIONS WHICH CREATE INTERFERENCES WITH THE NEW INSTALLATIONS OF THE VARIOUS TRADES WORKING AT THE PROJECT.
 - C. REMOVING ALL EXISTING WIRES AND CABLES FROM EXISTING RACEWAYS WHICH ARE TO REMAIN.
7. EXISTING ELECTRICAL ITEMS WITHIN AND CONTIGUOUS WITH AREA BEING ALTERED ARE TO BE KEPT IN SERVICE AND ALL REWIRING REQUIRED TO KEEP THESE ITEMS IN SERVICE SHALL BE PROVIDED.
8. ALL EXISTING LIFE SAFETY DEVICES AND WIRING SHALL REMAIN IN SERVICE. PROVIDE TEMPORARY SUPPORTS FOR EXISTING DEVICES AND WIRING IF SUPPORTING STRUCTURES (WALL, CEILINGS, ETC.) ARE TO BE DEMOLISHED.
9. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE ARCHITECT, ALL EQUIPMENT THAT IS TO BE REMOVED OR RELOCATED. PROPER REMOVAL AND STORAGE WILL BE INCLUDED FOR ALL EQUIPMENT THAT IS TO BE RELOCATED. COORDINATE DISPOSAL OF REMAINING EQUIPMENT WITH OTHER TRADES.
10. SURFACE MOUNTED RACEWAYS IN PUBLIC AREAS SHALL BE MADE CONCEALED BEHIND WALLS OR BASEBOARDS. COORDINATE WITH ARCHITECT.
11. REPLACE ALL EXISTING RECEPTACLES TO BE REUSED IN PUBLIC AREAS WITH NEW RECEPTACLES AND COVERPLATES WITH COLOR AND FINISH AS SELECTED BY ARCHITECT. ANY WIRING FOR THESE DEVICES THAT ARE DEEMED UNSUITABLE FOR REUSE SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.

GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. CONTRACTOR SHALL FURNISH ALL NECESSARY OUTLETS, SUPPORTS, FITTINGS AND ACCESSORIES TO FULFILL APPLICABLE CODES, REGULATIONS, BUILDING STANDARDS AND THE BEST PRACTICES OF THE TRADE FOR FIRST CLASS ELECTRICAL INSTALLATION.
2. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALED DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION AND ELEVATION OF ALL ELECTRICAL EQUIPMENT SHALL BE COORDINATED IN FIELD WITH RESPECTIVE CONTRACTOR/OWNER.
3. FEEDERS AND BRANCH CIRCUITRY SHALL BE RUN IN CONDUIT MINIMUM 1/2" CONDUIT UNLESS OTHERWISE NOTED. FINAL CONNECTIONS TO MOTORS MAY BE DONE WITH FLEXIBLE METALLIC CONDUIT (NO LONGER THAN 18"). IN UNFINISHED AREA CONDUIT SHALL BE RUN EXPOSED AND IN FINISHED AREAS CONDUIT SHALL BE RUN CONCEALED.
4. ALL CONDUCTORS SHALL BE COPPER, TYPE THHN/THWN INSULATED, ALL CONDUCTORS SHALL HAVE 600 VOLT RATED INSULATION UNLESS OTHERWISE NOTED.
5. REFER TO ARCHITECT'S REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED LIGHTING FIXTURES AND OTHER CEILING INSTALLED ITEMS.
6. THE USE OF FLEXIBLE CONDUIT FROM LIGHTING FIXTURES TO JUNCTION BOX IS PERMITTED ONLY WHEN A SEPARATE GROUND WIRE IS INSTALLED WITH THE CONDUCTORS INSIDE FLEXIBLE CONDUIT. THE GROUND WIRE MUST BOND THE FIXTURE HOUSING TO THE JUNCTION BOX. MAXIMUM LENGTH 6'-0".
7. EXACT LOCATION AND MOUNTING HEIGHTS OF ALL WIRING DEVICES SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO THE INSTALLATION.
8. CONDUIT RUNS SHALL BE PARALLEL WITH OR AT RIGHT ANGLES TO WALLS AND CEILINGS. CONDUIT SHALL BE SUPPORTED BY APPROVED MEANS. SUPPORTS FOR HORIZONTAL RUNS OF CONDUIT SHALL NOT EXCEED SEVEN FEET ON CENTERS.
9. PROVIDE PULL BOXES, JUNCTION BOXES, CONDUIT ELBOWS AND OFFSETS TO SUIT FIELD CONDITIONS AND THE NATIONAL ELECTRICAL CODE.
10. CONTRACTOR SHALL COORDINATE WITH THE FIRE DEPARTMENT AND F.A. VENDOR BEFORE PROCEEDING WITH WORK INVOLVING FIRE ALARM SYSTEM.
11. ALL EMPTY CONDUIT SHALL BE PROVIDED WITH A DRAGWIRE.
12. THE MINIMUM WIRE SIZE FOR 120 VOLT BRANCH CIRCUITS SHALL BE NO. 12 AWG, EXCEPT OVER 100' IN LENGTH SHALL BE NO. 10 AWG.
13. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES (EX. CONNECTORS, ADAPTERS, BUSHINGS, CLAMPS, ETC.) TO FACILITATE COMPLETE INSTALLATION.
14. COORDINATE LOCATION OF ALL MECHANICAL EQUIPMENT WITH HVAC CONTRACTOR IN FIELD. FUSES FOR ALL MOTOR LOADS SHALL BE DUAL ELEMENT TIME DELAY TYPE.
15. ALL JUNCTION OR OUTLET BOXES SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO COVER. PROVIDE ARCHITECT APPROVED ACCESS DOORS OR PLATES AS REQUIRED IN AREAS WHERE UNOBSTRUCTED ACCESS TO BOX OR OUTLET IS NOT POSSIBLE.
16. OPENINGS AROUND ELECTRICAL PENETRATIONS THROUGH FIRE RESISTANCE RATED WALLS, PARTITIONS, FLOORS OR CEILINGS SHALL BE FIRE STOPPED USING APPROVED METHODS. ALL SLEEVES MUST HAVE BUSHINGS. SEALANT SHALL BE 3 HOUR FIRE BARRIER #CP-25 (NO LESS THAN 3' THICK BACKED UP WITH MINERAL WOOL).
17. ALL PANELBOARD COVERS SHALL BE INSTALLED IN PLACE AT THE COMPLETION OF EACH DAYS WORK.
18. PREPARE RECORD DRAWINGS SHOWING ALL CHANGES IN WIRE SIZE, CIRCUIT NUMBERING, CIRCUIT ROUTING, EQUIPMENT LOCATIONS AND ALL ELECTRICAL WORK AS ACTUALLY INSTALLED.

LEGEND

- E EXISTING TO REMAIN
- ER EXISTING TO BE RELOCATED
- N NEW
- R REMOVE
- RN REPLACE WITH NEW
- RR REMOVED & RELOCATED
-  ELECTRICAL PANEL
-  DISCONNECT SWITCH
-  DUAL TECHNOLOGY CEILING MOUNTED OCCUPANCY SENSOR
-  SINGLE POLE SWITCH
-  SMOKE DETECTOR
-  CARBON MONOXIDE DETECTOR
-  HEAT DETECTOR
-  JUNCTION BOX
-  EXHAUST FAN
-  UNIT HEATER

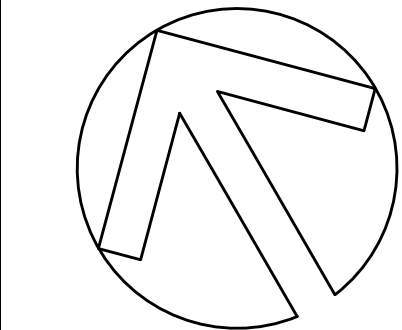
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**ELECTRICAL
NOTES & SYMBOLS**

PROJECT NO.: 2745-02 SCALE: AS NOTED

DRAWING NO.:

E001

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one eighth inch = one foot
0 4 8 16

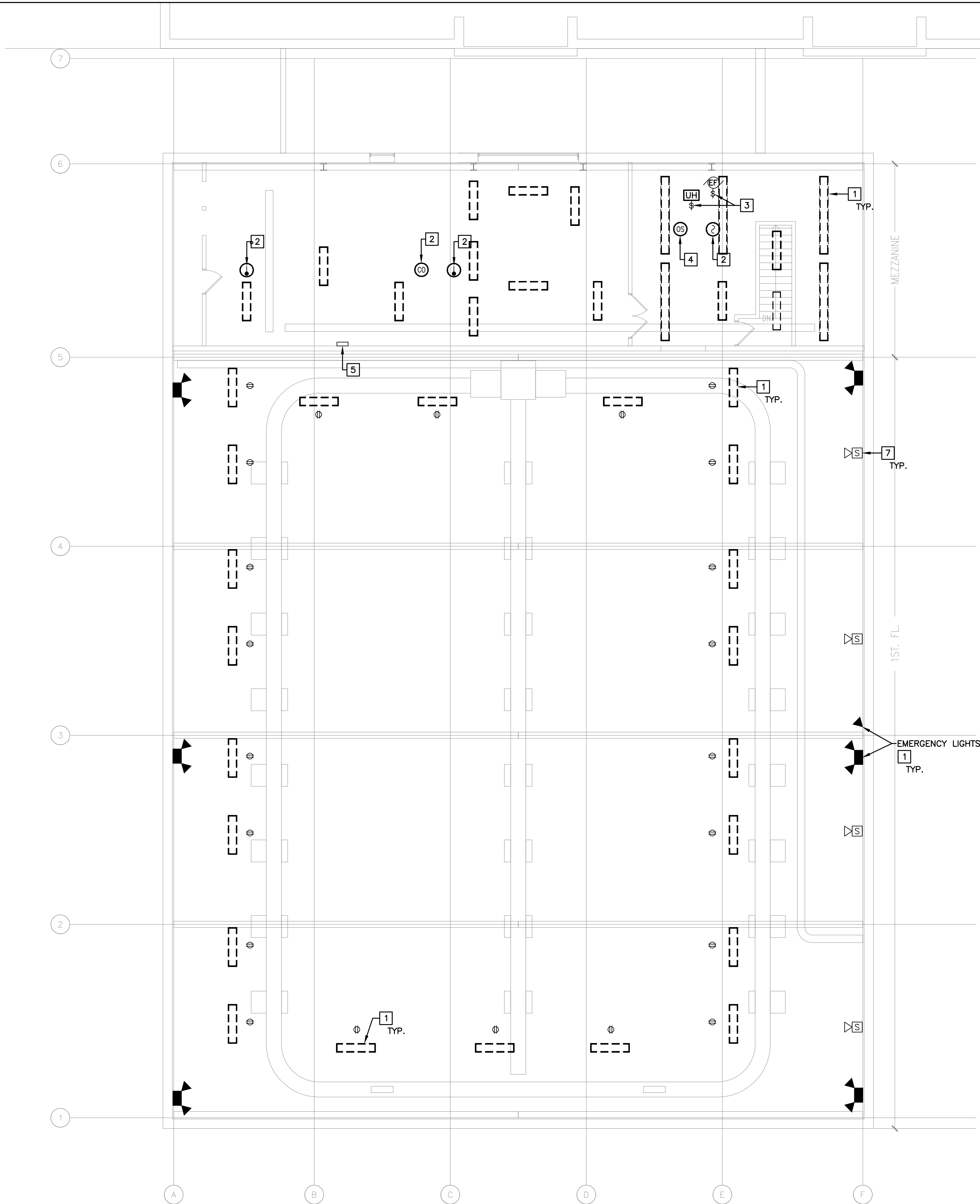
one quarter inch = one foot
0 4 8

three eighths inch = one foot
0 4

one half inch = one foot
0

three quarters inch = one foot
0 6

one inch = one foot
0 6



1 ELECTRICAL DEMO 1ST FL. RCP
SCALE: 1/8" = 1'-0"

NOTES:

- 1 CONTRACTOR TO VERIFY ORIGINATION OF BRANCH CIRCUIT POWER FOR PANEL 'PLP' IN ELECTRICAL CLOSET AND TURN OFF/LOCK OUT BREAKERS. EXISTING LINEAR LIGHT FIXTURE SUPPORTED OFF ROOF STRUCTURE, WHETHER SHOWN OR NOT, SHALL BE TEMPORARILY REMOVED TO FACILITATE ROOF REPLACEMENT. DISCONNECT AND REMOVE ASSOCIATED WIRING AND CONDUIT. STORE LIGHT FIXTURES SAFELY FOR REINSTALLATION AFTER ROOF REPLACEMENT. PROVIDE TEMPORARY LIGHTING AS NEEDED DURING CONSTRUCTION.
- 2 ALL EXISTING FIRE ALARM DEVICES, WHETHER SHOWN OR NOT, SHALL BE TEMPORARILY REMOVED TO FACILITATE ROOF REPLACEMENT. DISCONNECT AND REMOVE ASSOCIATED CONDUIT AND WIRING. PROVIDE FIRE WATCH AS NECESSARY DURING CONSTRUCTION. STORE DEVICES SAFELY FOR REINSTALLATION AFTER ROOF REPLACEMENT. PROVIDE WIRING AND CONDUIT AS REQUIRED TO RECONNECT.
- 3 DISCONNECT AND REMOVE EXISTING ELECTRICAL DEVICES, WIRING AND CONDUIT ASSOCIATED WITH HVAC EQUIPMENT TO BE TEMPORARILY SUPPORTED TO THE EXTENT REQUIRED TO FACILITATE THE ROOF REPLACEMENT WORK. STORE DEVICES SUITABLE FOR REUSE FOR FUTURE REINSTALLATION.
- 4 EXISTING OCCUPANCY SENSORS, WHETHER SHOWN OR NOT, TO BE TEMPORARILY REMOVED TO FACILITATE ROOF REPLACEMENT. DISCONNECT AND REMOVE ASSOCIATED CONDUIT AND WIRING. STORE DEVICES SAFELY FOR REINSTALLATION AFTER ROOF REPLACEMENT.
- 5 EXISTING WALL MOUNTED ALTRONIX POWER SUPPLY PANEL AND REMOTE ANNUNCIATOR TO BE PROTECTED DURING CONSTRUCTION.
- 6 EXISTING EMERGENCY LIGHTING UNITS, WHETHER SHOWN OR NOT, TO BE PROTECTED DURING CONSTRUCTION. REPLACE AND MAKE OPERABLE IF DAMAGED AS A RESULT OF CONSTRUCTION.
- 7 EXISTING SPEAKERS, WHETHER SHOWN OR NOT, TO BE PROTECTED DURING CONSTRUCTION. REPLACE AND MAKE OPERABLE IF DAMAGED AS A RESULT OF CONSTRUCTION.

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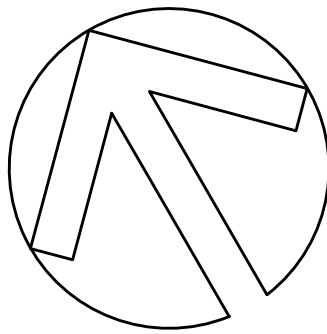
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ELECTRICAL
DEMO 1ST FL. RCP

PROJECT NO.: 2745-02 SCALE: AS NOTED

DRAWING NO.:

ED100

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one eighth inch = one foot

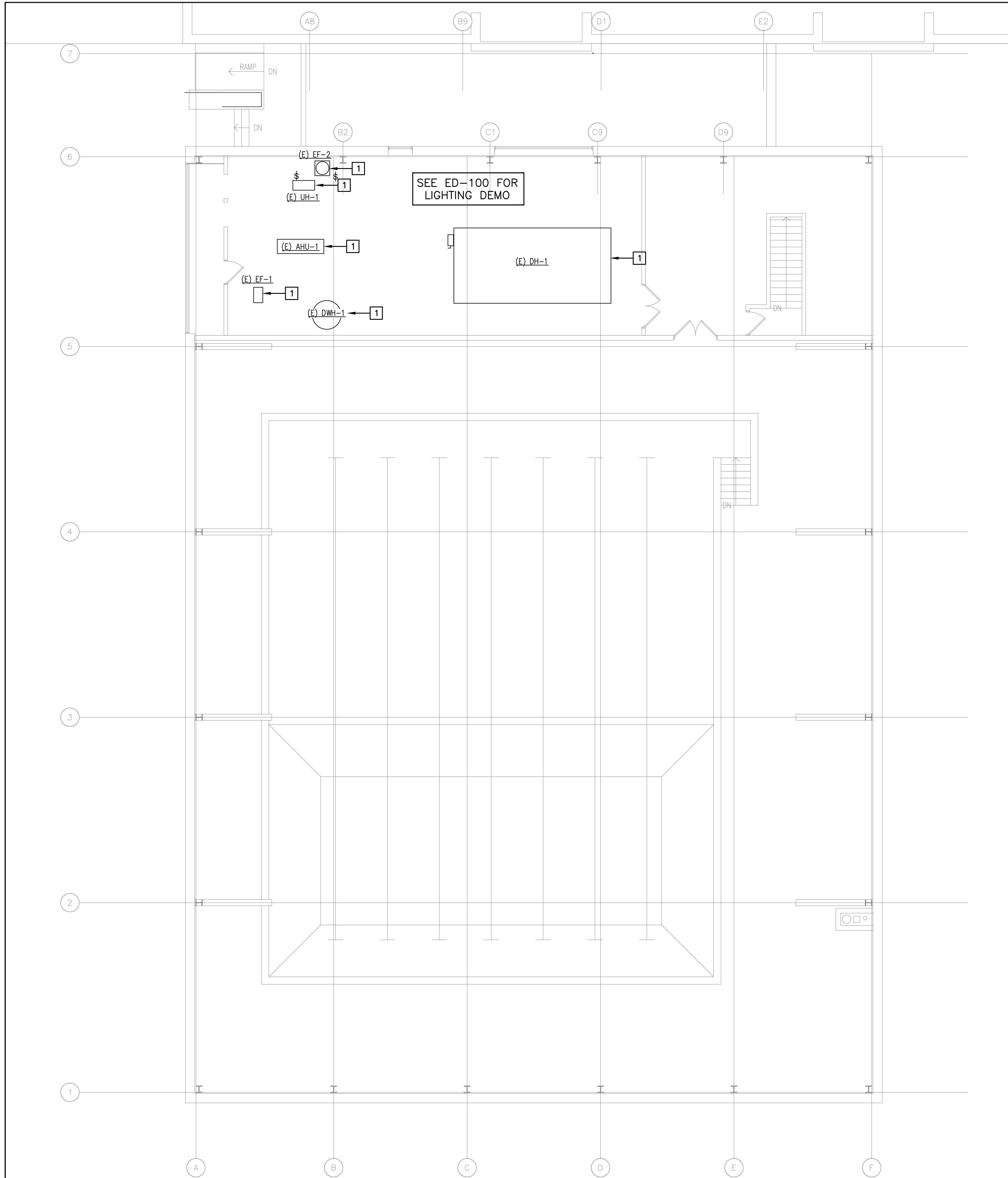
one quarter inch = one foot

three eighths inch = one foot

one half inch = one foot

three quarters inch = one foot

one inch = one foot



1 ELECTRICAL MEZZANINE DEMO PLAN
SCALE: 1/8" = 1'-0"

NOTES:

- 1** FOR MECHANICAL EQUIPMENT BRANCH CIRCUITS, DISCONNECT AND REMOVE SECTIONS OF CONDUIT, WIRING DEVICES (eg. SWITCHES, RECEPTACLES, ETC.), AND JUNCTION BOXES WHETHER SHOWN OR NOT, SUPPORTED DIRECTLY OR INDIRECTLY (ie. UNISTRUT) FROM ROOF BACK TO WHERE IT IS NOT AFFECTED BY ROOF REPLACEMENT WORK. BRANCH CIRCUIT WIRING TO BE PULLED FROM THESE CONDUIT SECTIONS AND SAFELY COILED FOR REINSTALLATION IN REPLACED CONDUIT. RETAIN EXISTING DISCONNECT SWITCHES, CONTROLLERS AND BRANCH CIRCUITING CONDUCTORS AND CONDUIT FOR MECHANICAL EQUIPMENT WHERE NOT AFFECTED BY ROOF WORK. COORDINATE WITH GENERAL AND MECHANICAL CONTRACTOR.

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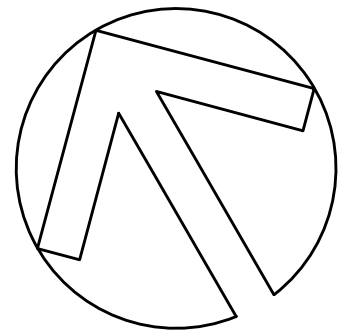
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ISSUE NO.	ISSUE DATE	DESCRIPTION



**EAST LYME HIGH
SCHOOL -
AQUATIC CENTER
ROOF REPLACEMENT,
30 CHESTERFIELD ROAD
EAST LYME, CT 06333**

**ELECTRICAL
MEZZANINE DEMO PLAN**

PROJECT NO.: 2745-02 SCALE: AS NOTED

DRAWING NO.:

ED101

N:\East Lyme Aquatic Center\ACU\Electrical\EEC.dwg

one eighth inch = one foot

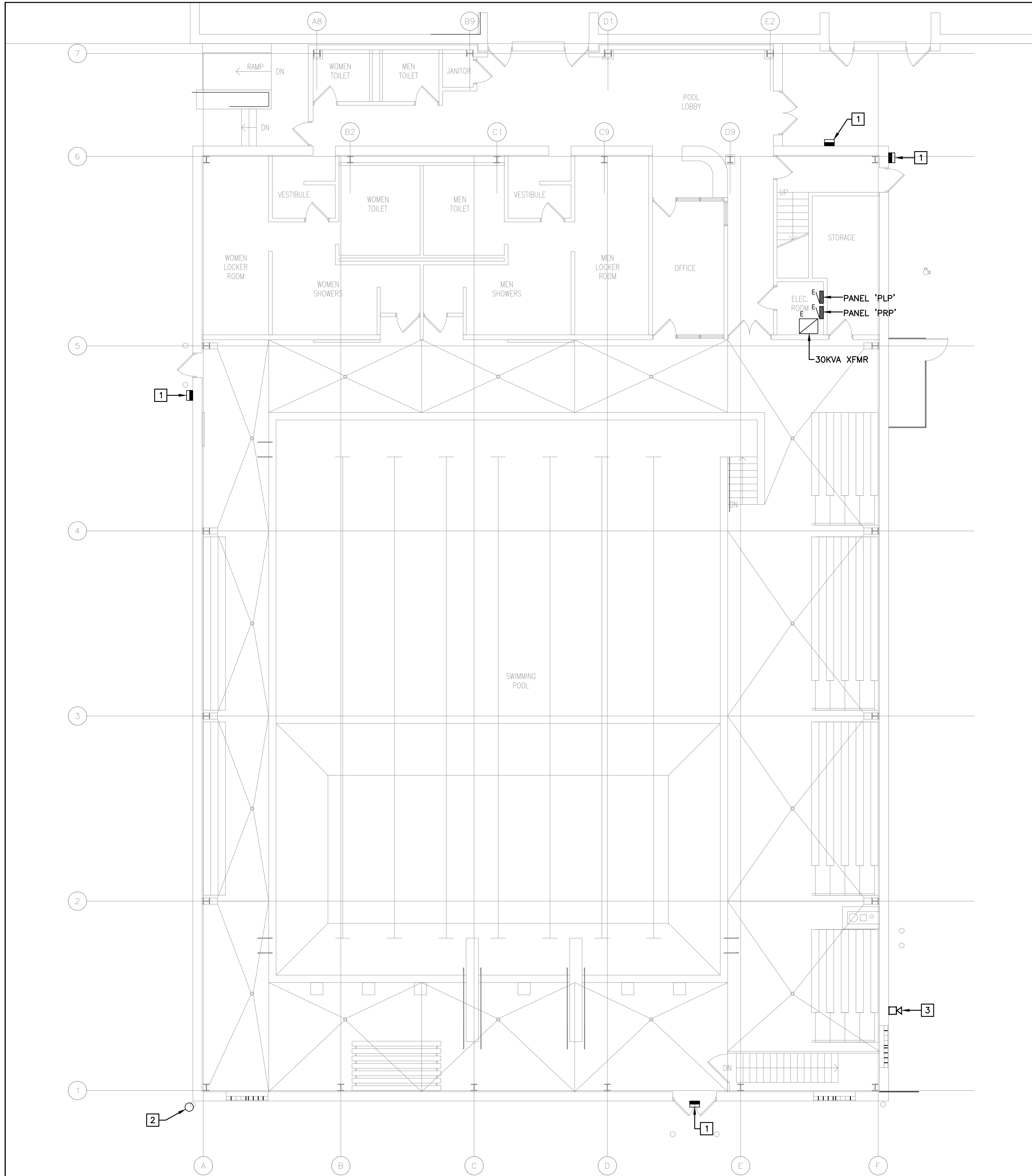
one quarter inch = one foot

three eighths inch = one foot

one half inch = one foot

three quarters inch = one foot

one inch = one foot



1 ELECTRICAL FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. NO WORK IS SHOWN AT THIS LEVEL. DRAWING SHOWS LOCATION OF ELECTRICAL EQUIPMENT WHERE BRANCH CIRCUITS FOR SCOPE ORIGINATES AND IS FOR REFERENCE ONLY.

NOTES:

- 1 EXISTING EXTERIOR WALL SCONCES TO BE TEMPORARILY REMOVED AND STORED THEN REINSTALLED WHEN ROOF WORK IS COMPLETE.
- 2 TEMPORARILY REMOVED AND STORED EXISTING SECURITY CAMERA, THEN REINSTALLED WHEN ROOF WORK IS COMPLETE.
- 3 TEMPORARILY REMOVED AND STORED EXISTING HORN DEVICE, THEN REINSTALLED WHEN ROOF WORK IS COMPLETE.

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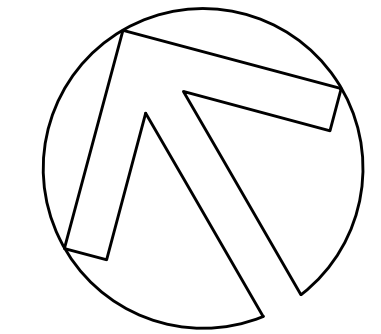
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30 CHESTERFIELD ROAD
EAST LYME, CT 06333**

**ELECTRICAL
FIRST FLOOR PLAN**

PROJECT NO.: 2745-02 SCALE: AS NOTED

DRAWING NO.:

E100

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one eighth inch = one foot
0 4 8 16

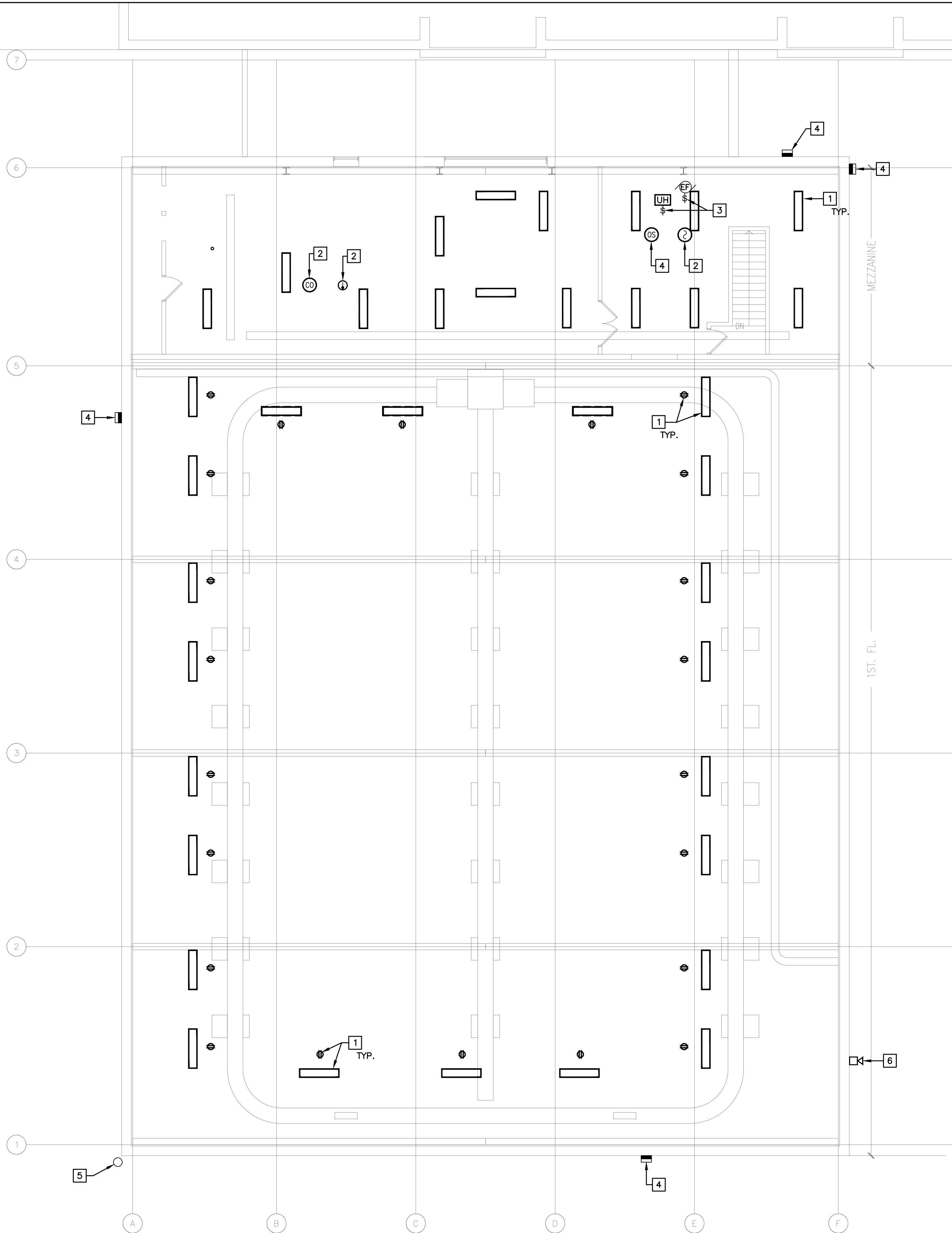
one quarter inch = one foot
0 4 8

three eighths inch = one foot
0 4

one half inch = one foot
0

three quarters inch = one foot
0 6 12

one inch = one foot
0 6 12



1 ELECTRICAL CONSTRUCTION REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

NOTES:

- 1 REINSTALL LIGHT FIXTURES AND NEW RECEPTACLES IN SAME LOCATION AND IN SAME MANNER UPON COMPLETION OF ROOF REPLACEMENT. PROVIDE NEW BRANCH CIRCUIT WIRING AND CONDUIT BACK TO ORIGINAL BREAKER POSITIONS, SWITCHES AND CONTROLS. REPLACE ANY NON-FUNCTIONING COMPONENTS WITH NEW AND MATCH EXISTING. SEE DETAIL 1 ON DRAWING E102.
- 2 REINSTALL DEVICES IN THE SAME LOCATIONS AND SAME MANNER UPON COMPLETION OF ROOF REPLACEMENT WORK. REPLACE ANY NON-FUNCTIONING DEVICE WITH NEW AND MATCH EXISTING ASSURING COMPATIBILITY WITH EXISTING FIRE ALARM SYSTEM. PROVIDE REQUIRED PROGRAMMING OF DEVICES TO FIRE ALARM CONTROL PANEL FOR A COMPLETE AND OPERABLE SYSTEM.
- 3 REINSTALL DEVICES AT SUITABLE LOCATION AND SAME MANNER AFTER COMPLETION OF ROOF REPLACEMENT. PROVIDE NEW WIRING AND CONDUIT TO THE EXTENT NECESSARY FOR A COMPLETE AND OPERABLE SYSTEM. REPLACE ANY NON-FUNCTIONING COMPONENTS WITH NEW AND MATCH EXISTING.
- 4 REINSTALL EXISTING EXTERIOR WALL SCONCES AND WHEN ROOF WORK IS COMPLETE. RE-ESTABLISH WIRING TERMINATIONS AND REUSE EXISTING BRANCH CIRCUITING AND CONTROLS.
- 5 REINSTALL EXISTING SECURITY CAMERA, WHEN ROOF WORK IS COMPLETE. RE-ESTABLISH WIRING TERMINATIONS AND MAKE OPERABLE.
- 6 REINSTALL EXISTING HORN DEVICE, WHEN ROOF WORK IS COMPLETE. RE-ESTABLISH WIRING TERMINATIONS AND MAKE OPERABLE.

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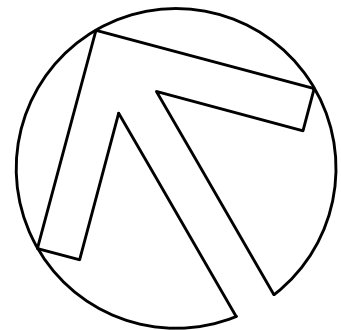
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**ELECTRICAL
CONSTRUCTION RCP**

PROJECT NO.: 2745-02 SCALE: AS NOTED

DRAWING NO.:

E100.1

N:\East Lyme Aquatic Center\ACCU\Electrical\EEC.dwg

one eighth inch = one foot
0 4 8

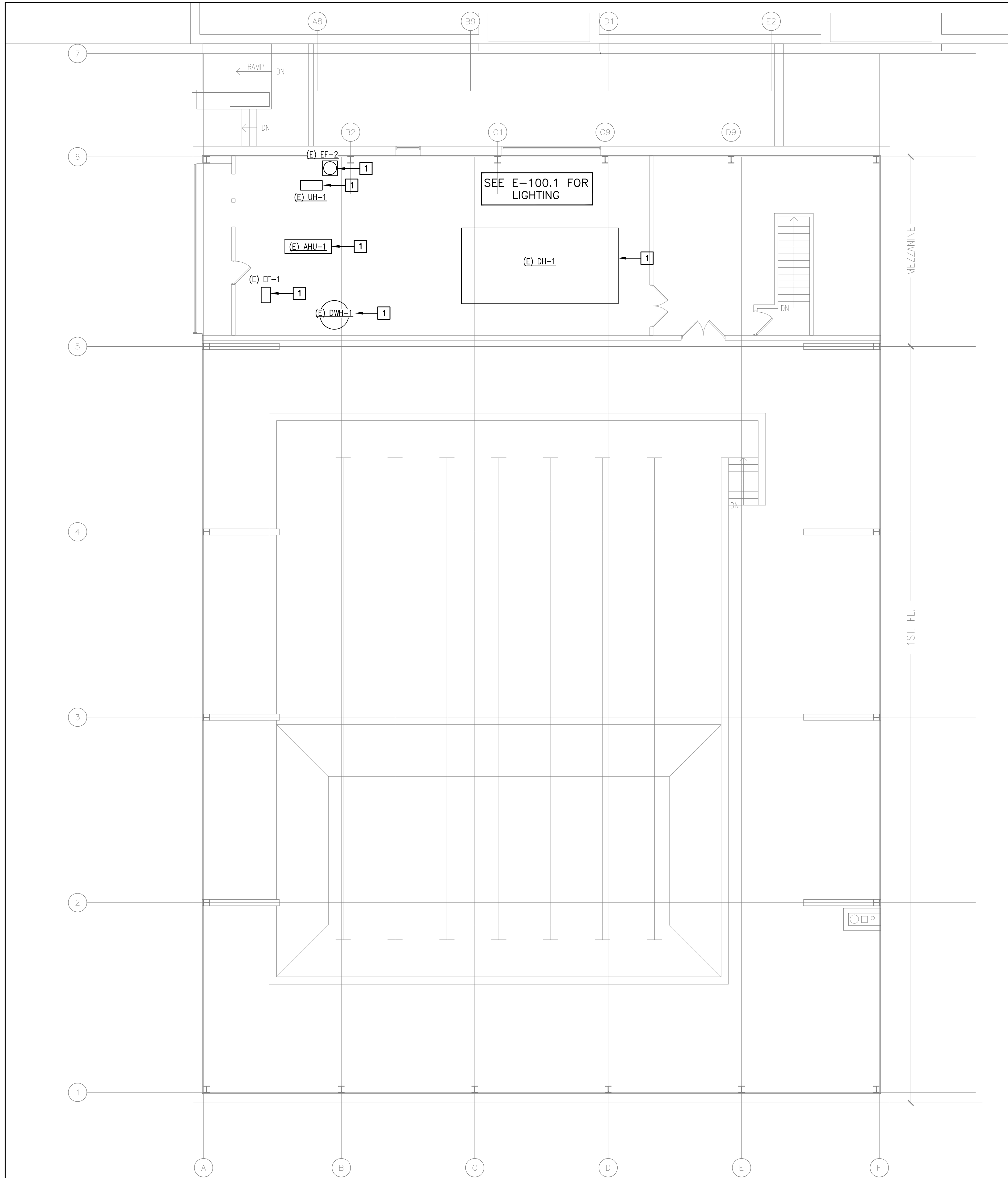
one quarter inch = one foot
0 4 8

three eighths inch = one foot
0 4 8

one half inch = one foot
0 4

three quarters inch = one foot
0 6 12

one inch = one foot
0 6 12



1 ELECTRICAL MEZZANINE CONSTRUCTION PLAN
SCALE: 1/8" = 1'-0"

NOTES:

- 1 INSTALL NEW SECTIONS OF CONDUIT WHICH WERE REMOVED TO FACILITATE ROOF WORK. REPULL COILED WIRING THROUGH TO COMPLETE BRANCH CIRCUIT RUNS AND MAKE ALL FINAL CONNECTIONS TO DISCONNECT SWITCHES AND CONTROLLERS. PROVIDE AND INSTALL JUNCTION BOXES AS NEEDED. COORDINATE PHASING WITH GENERAL AND MECHANICAL CONTRACTOR.

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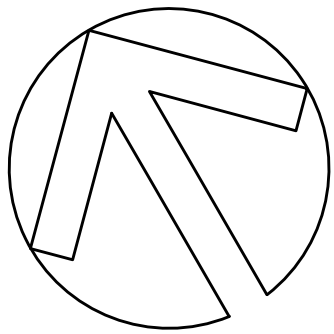
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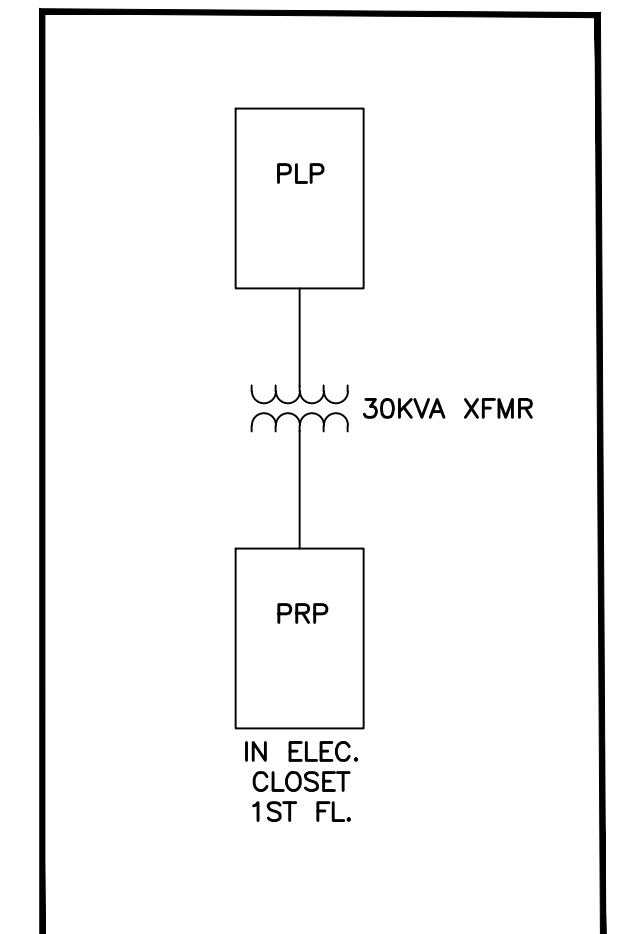
**ELECTRICAL
MEZZANINE
CONSTRUCTION PLAN**

PROJECT NO.: 2745-02 SCALE: AS NOTED

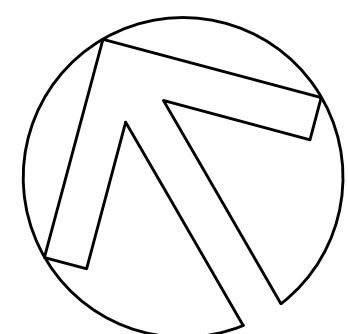
DRAWING NO.:

E101

PANEL SCHEDULE "PRP" (EXISTING)															
PANEL	"PRP"	BUS 100 AMP MAIN BREAKER										VOLTAGE 120/208V, 3PH, 4 WIRE			
LOAD	—	POLES 30													
MOUNTING	SURFACE	SPEC										AIC SYMM 10,000			
DESCRIPTION		WIRE	GRD.	COND.	TRIP	CKT.	A PHASE	B PHASE	C PHASE	CKT.	TRIP	COND.	GRD.	WIRE	DESCRIPTION
LOCKER RM GF'S					20A	1				2	20A				OFFICE RECEPTS
OFFICE I.G. RECEPTS					20A	3				4	20A				LOBBY RECEPTS—CAB. HTR
WATER COOLER					20A	5				6	20A				LOCKER RM GF'S
WATER HEATER					20A	7				8	20A				P.A. SYSTEM
POOL AREA GF'S					20A	9				10	20A				POOL AREA GF'S
UNIT HTRS—MECH + 102					20A	11				12	20A				EXH FANS 102 + 103
POOL AREA GF'S					20A	13				14	20A				POOL AREA GF'S
POOL AREA GF'S					20A	15				16	20A				POOL AREA GF'S
MECH RM RECEPTS					20A	17				18	20A				SCOREBOARD
SUMP PUMP					20A	19				20	20A				POOL BOILER
					21					22	20A				PUMP RM GF
SUMP PUMP					20A	23				24	20A				SUPPLY FAN—BOILER RM
					25					26	15A				EXH FAN—BOILER RM
EXH. FANS—MECH.					20A	27				28	20A				SCOREBOARD
POOL CONTROL CKT.					20A	29				30	20A				SONITROL LOCKER RMS



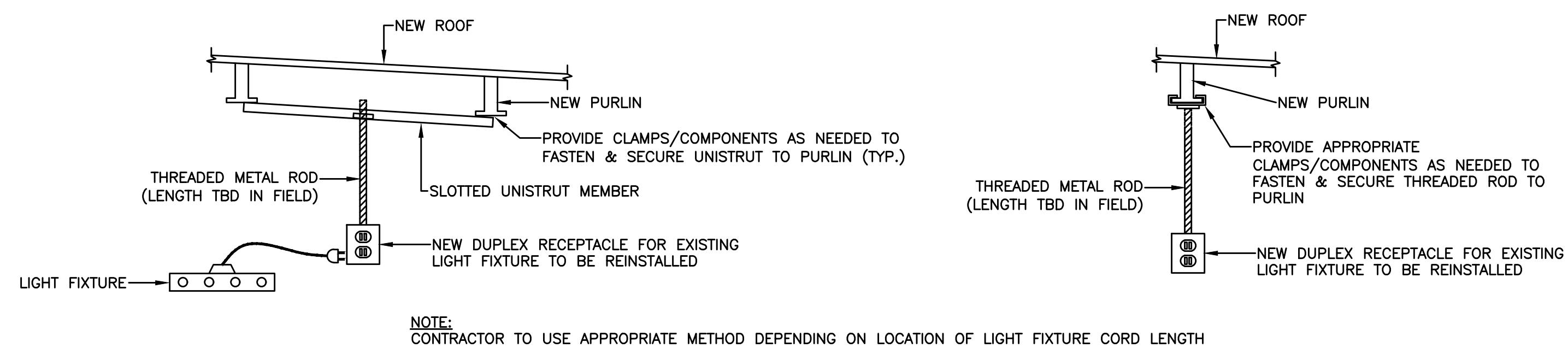
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ELECTRICAL ONE LINE DIAGRAM AND PANEL SCHEDULES

PROJECT NO.:	2745-02	SCALE:	AS NOTED
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E200



NOTE:
CONTRACTOR TO USE APPROPRIATE METHOD DEPENDING ON LOCATION OF LIGHT FIXTURE CORD LENGTH

DETAIL 1 - LIGHT FIXTURE INSTALLATION DETAILS (POOL AREA)

N.T.S.