

WIND SPEED DESIGN REQUIREMENTS

THIS BUILDING SHALL BE DESIGNED WITH IBC SEC 1609 AS A FULLY ENCLOSED BLDG USING THE FOLLOWING INFORMATION:

WIND DESIGN DATA:	
DETERMINATION OF WIND LOADS SHALL BE IN ACCORDANCE WITH IBC SEC 1609.3 (1), (2), OR (3) DEPENDING ON THE RISK CATEGORY	
WIND SPEED V_{ult} (3 SECOND GUST) =	138 MPH (IBC FIG 1609.3(1))
NOMINAL DESIGN WIND SPEED V_{std} =	106.9 MPH ($V_{ult} \times (0.6)^{1/2}$)
RISK CATEGORY:	CATEGORY II BLDG
TOPOGRAPHIC FACTOR =	1
DESIGN WIND PRESSURE (ASCE 7-10 TABLE 28.6-1):	31.7 PSF
INTERNAL PRESSURE COEFFICIENT (ASCE 7-10 TABLE 26.11-1):	± 0.18
LIVE LOADS (IBC SEC 1607):	
GYMNASIUMS (IBC TABLE 1607.1):	100 PSF
ROOF LIVE LOADS (IBC TABLE 1607.1):	20 PSF UNIFORM, 300 LB CONCENTRATED
SNOW LOADS (IBC SEC 1608):	
GROUND SNOW LOAD (IBC FIG 1608.2):	5 PSF

FLOOD ZONE INFORMATION

BASED ON LSJAG FLOOD MAPS THIS PROPERTY IS IN FLOOD ZONE "AE"

FIRM, COMMUNITY NO. 22103C04#5F

FLOOD ZONE: AE BASE FLOOD ELEVATION: N/A NO WORK ON FOUNDATION

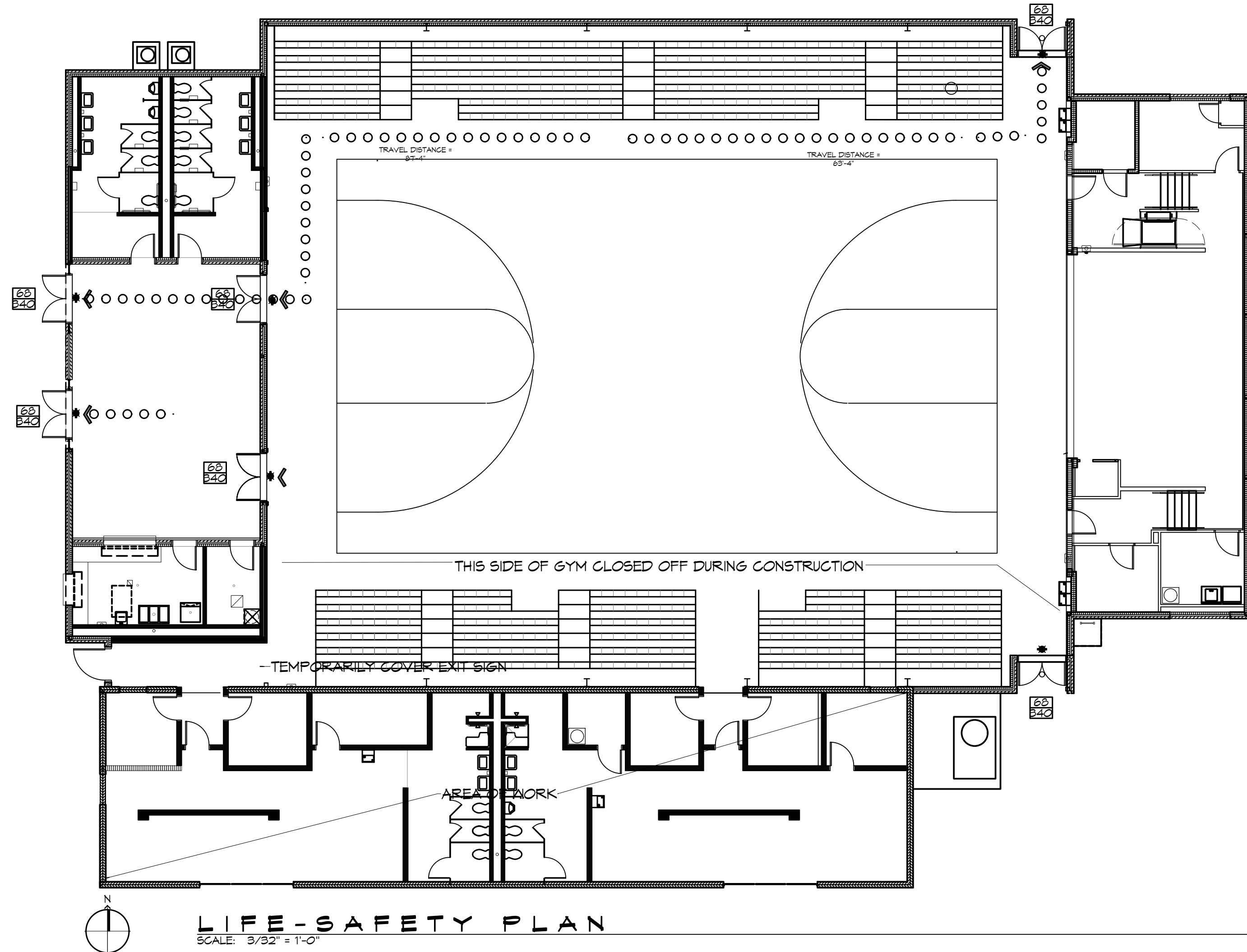
LIFE-SAFETY LEGEND

SYMBOL	DESCRIPTION
	EXITS
	DOOR FIRE RATING (MINUTES)
	DOOR WIDTH/EGRESS CAPACITY
	EXIT LIGHT
	FIRE EXTINGUISHER IV/ WALL MTD BRACKET
	COMMON PATH OF TRAVEL
	TRAVEL DISTANCE
	DECISION POINT

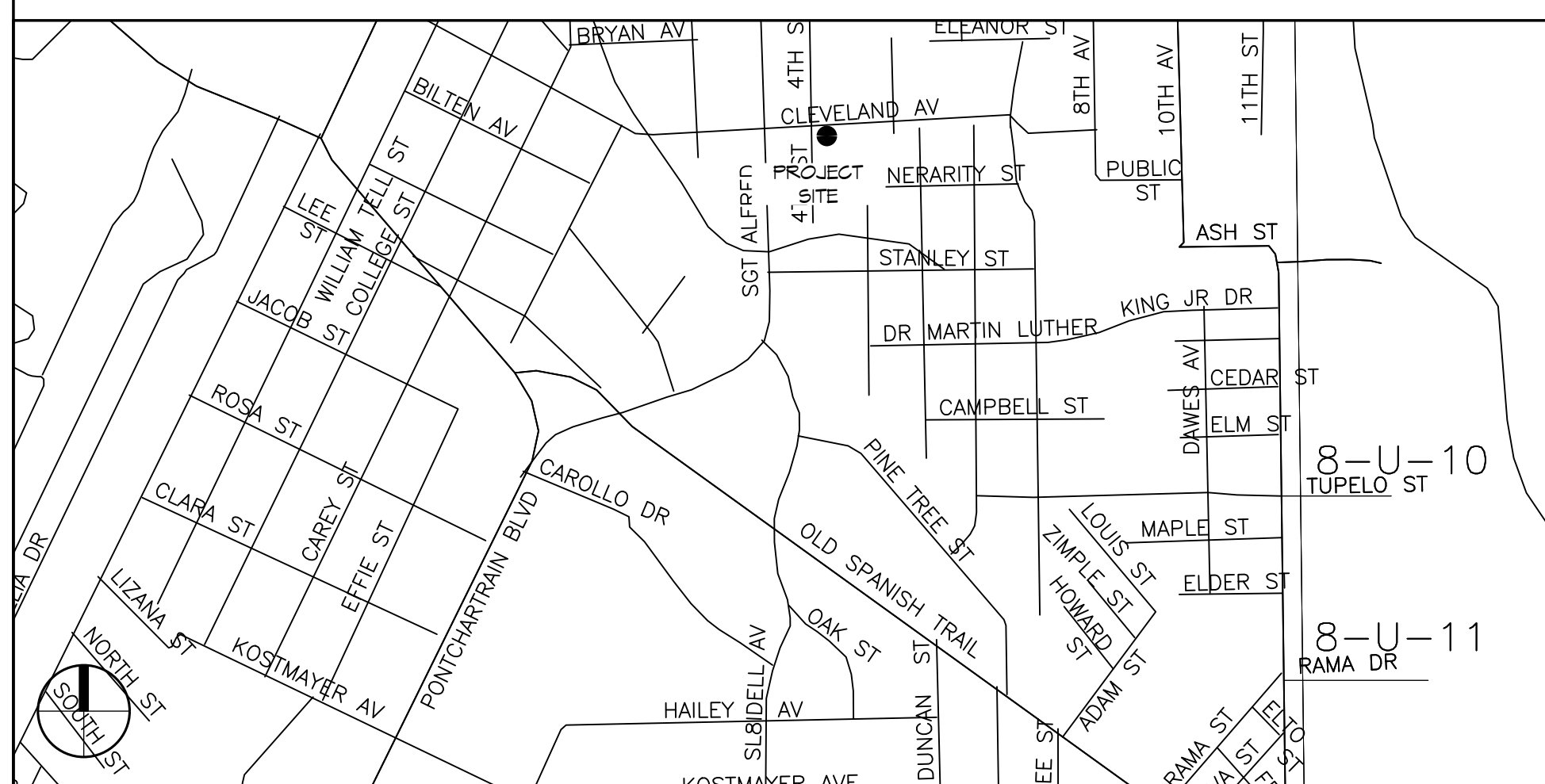
DESIGN CRITERIA

THE CONSTRUCTION FOR SAID BUILDING, WHERE WIND SPEED IS 138 MILES PER HOUR, WIND EXPOSURE ZONE C, IS DESIGNED IN ACCORDANCE WITH AMERICAN FOREST AND PAPER ASSOCIATION (AF&PA) WOOD FRAME CONSTRUCTION MANUAL FOR ONE AND TWO FAMILY DWELLINGS (MFCM) 2001 EDITION AS WELL AS THE INTERNATIONAL RESIDENTIAL CODE (IRC) 2021 EDITION

ST TAMMANY JUNIOR HIGH SCHOOL, TERMITE DAMAGE REPAIR AT GYMNASIUM/LOCKER ROOM SLIDELL, LOUISIANA STPSB PROJECT NO. P0514



VICINITY MAP



SHEET INDEX

SHEET #	SHEET TITLE
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S103	CONNECTION DETAILS
A101	FLOOR PLAN AND REFLECTED CEILING PLAN
A102	EXTERIOR ELEVATIONS
A103	ROOF PLAN AND DETAILS
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GENERAL NOTES

- ALL MATERIALS AND WORK, INCIDENTAL TO THE CONSTRUCTION OF THIS PROJECT, SHALL CONFORM TO ALL GOVERNING CODES, AND REGULATIONS OF AGENCIES IN AUTHORITY.
- CONTRACTOR SHALL PROVIDE ALL PUBLIC PROTECTIONS NECESSARY AS REQUIRED BY LAW.
- THE DRAWINGS AND ANY SUBSEQUENTLY ISSUED ADDENDA, AMENDMENTS OR SUCH CHANGE ORDERS APPROVED BY THE OWNER AND THE CONTRACTOR ARE PART OF THESE CONTRACT DOCUMENTS.
- DO NOT SCALE DRAWINGS. CONSULT WITH THE ENGINEER REGARDING ANY ITEMS IN THE CONTRACT DOCUMENTS THAT REQUIRE CLARIFICATION.
- TRASH SHALL BE REMOVED FROM THE SITE NOT LESS THAN TWICE MONTHLY.
- THE GENERAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND REPORT ANY AND ALL DISCREPANCIES TO THE ARCHITECT.
- CONTRACTOR VEHICLES AND EQUIPMENT NECESSARY FOR CONSTRUCTION MAY BE PARKED ON THE SITE. OTHER VEHICLES PARKED ON THE SITE REQUIRE THE OWNER'S PERMISSION.
- ALL MATERIALS/EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. WORK NOT CONSISTENT WITH MANUFACTURER'S RECOMMENDATIONS WILL BE REJECTED BY OWNER/ARCHITECT.

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REVISIONS	DATE

SEAL:

TERMINATE DAMAGE REPAIR AT
ST TAMMANY JUNIOR HIGH SCHOOL
LOCKER ROOM

PROJECT NO. 12-12-2024
DATE: 25/08
DRAWN BY: JMS
CHECKED BY: CKD

SHEET TITLE:
GENERAL INFORMATION SHEET

DRAWING NUMBER:
G101

SHEET No: 1 of 12

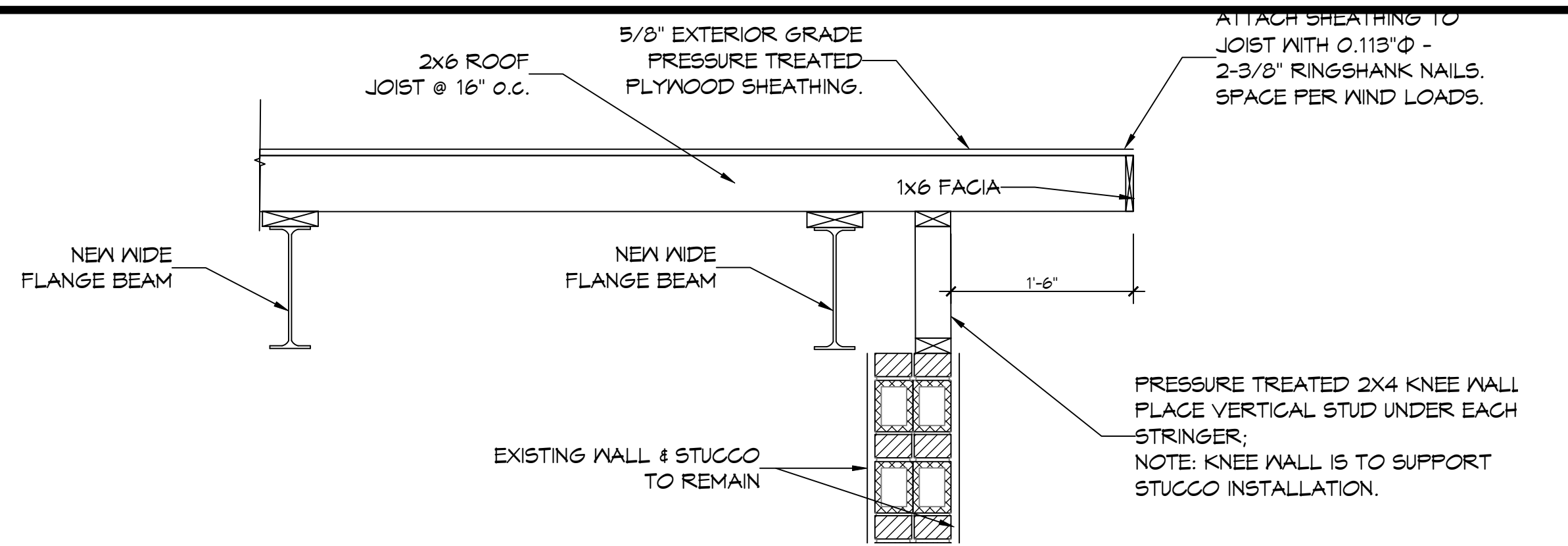
TABLE S102.1 - ROOF SHEATHING ATTACHMENT REQUIREMENT - WIND LOAD EXP "C"

SHEATHING LOCATION	RAFTER / TRUSS SPACING	E F	
		MAX NAIL SPACING FOR 0.113 DIAMETER X 2-3/8" RING SHANK NAILS (INCHES OC)	
INTERIOR ZONE	12" OC	6	12
	16" OC	6	12
	24" OC	6	12
PERIMETER EDGE ZONE	12" OC	6	6
	16" OC	4	4
	24" OC	3	3

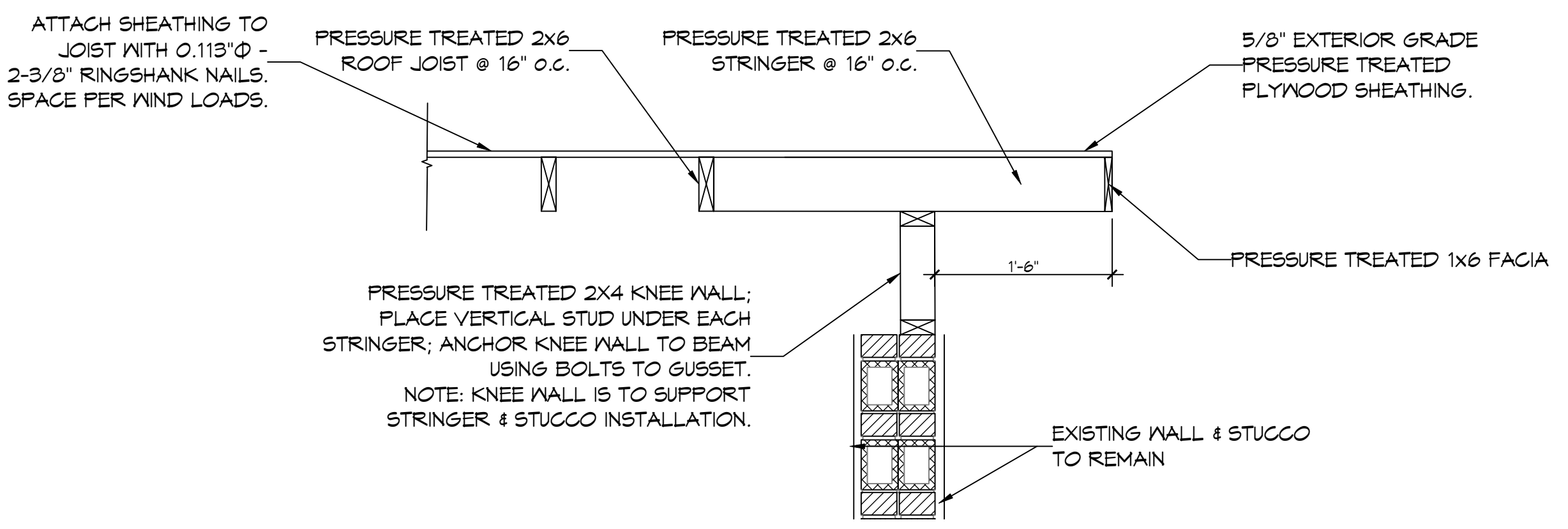
140 MPH WIND - EXPOSURE "C" TYPICAL
 E = NAIL SPACING AT PANEL EDGES, INCHES.
 F = NAIL SPACING AT INTERMEDIATE SUPPORTS IN THE PANEL FIELD, INCHES.

DIMENSIONAL LUMBER FRAMING NOTES

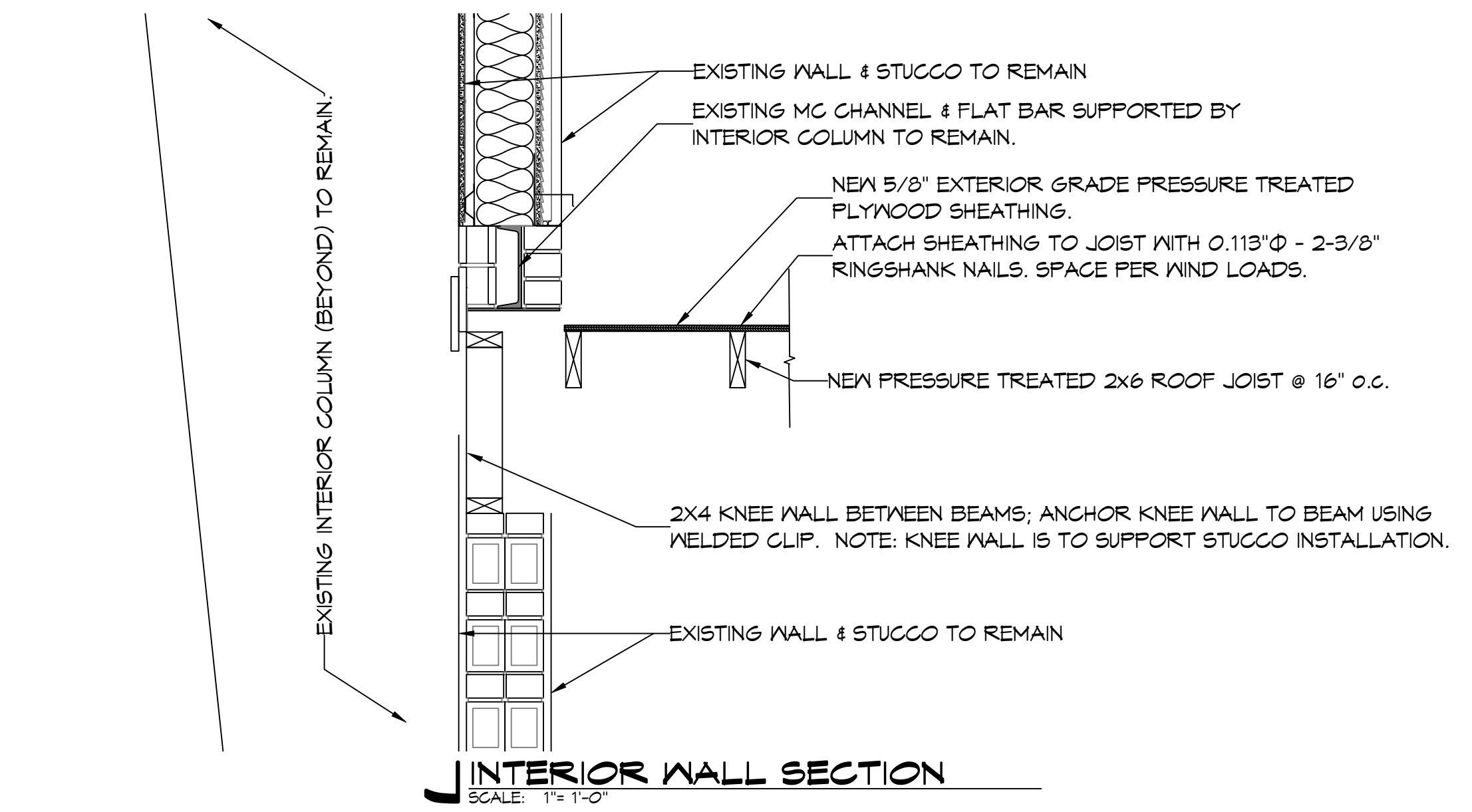
- ALL LUMBER INSTALLED SHALL BE PRESSURE TREATED #2 SOUTHERN PINE LUMBER.
- FRAMING SYSTEMS SHALL PROVIDE FOR MOVEMENT OF FRAMING MEMBERS WITHOUT DAMAGE OR OVERSTRESSING. SHEATHING FAILURE, CONNECTION FAILURE, UNDE STRAIN ON FASTENERS AND ANCHORS, OR OTHER DETRIMENTAL EFFECTS WHEN SUBJECT TO A MAXIMUM AMBIENT TEMPERATURE CHANGE OF 120 DEG F.
- FRAMING SYSTEM SHALL MAINTAIN CLEARANCES AT OPENINGS, TO ALLOW FOR CONSTRUCTION TOLERANCES, AND TO ACCOMMODATE LIVE LOAD DEFLECTION OF PRIMARY BUILDING STRUCTURE FOR UPWARD AND DOWNWARD MOVEMENT OF 1/2 INCH.
- KILN-DRY LUMBER AFTER TREATMENT SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19%. DO NOT USE MATERIAL THAT IS WARPED OR DOES NOT COMPLY WITH REQUIREMENTS FOR UNTREATED MATERIAL. KILN-DRY PLYWOOD AFTER TREATMENT SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 15%.
- ALL WOOD-PRESERVATIVE-TREATED LUMBER SHALL MEET THE ANPA G2 GUIDELINES EXCEPT WHERE SUCH LUMBER THAT IS NOT IN CONTACT WITH THE GROUND AND IS CONTINUOUSLY PROTECTED FROM LIQUID WATER MAY BE TREATED ACCORDING TO ANPA G31 WITH INORGANIC BORON SBX.
- ALL WOOD-PRESERVATIVE-TREATED LUMBER SHALL BE MARKED WITH A TREATMENT QUALITY MARK OF AN INSPECTION AGENCY APPROVED BY THE ALSG BOARD OF REVIEW.
- WOOD-PRESERVATIVE-TREATED LUMBER SHALL BE USED AS INDICATED ON THE DRAWINGS AND ALSO THE FOLLOWING:
 - WOOD CANTS, NAILERS, CURBS, EQUIPMENT SUPPORT BASES, BLOCKING, STRIPPING, AND SIMILAR MEMBERS IN CONNECTION WITH ROOFING, FLASHING, VAPOR BARRIERS, AND WATERPROOFING.
 - WOOD SILLS, SLEEPERS, BLOCKING, FURRING, STRIPPING, AND SIMILAR CONCEALED MEMBERS IN CONTACT WITH CONCRETE.
 - WOOD FRAMING AND FURRING ATTACHED DIRECTLY TO THE INTERIOR OF BELOW-GRADE EXTERIOR CONCRETE WALLS.
 - WOOD FRAMING MEMBERS THAT ARE LESS THAN 18 INCHES ABOVE THE GROUND IN CRAWLSPACES OR UNEXCAVATED AREAS.
 - WOOD FLOOR PLATES THAT ARE INSTALLED OVER CONCRETE SLABS-ON-GRADE.
 - INSTALL SILL FLATE GASKETS AT ALL EXTERIOR WALLS BY ONE OF THE FOLLOWING MANUFACTURERS:
 - OWENS CORNING FOAM SEAL R
 - DOWN WEATHERMATE SILL SEAL
- FASTENERS:
 - PROVIDE FASTENERS OF SIZE AND TYPE INDICATED. WHERE ROUGH CARPENTRY IS EXPOSED TO WEATHER, IN CONTACT WITH THE GROUND, PRESSURE-PRESERVATIVE TREATED, OR IN AN AREA WITH HIGH RELATIVE HUMIDITY, PROVIDE FASTENERS WITH HOT-DIP ZINC COATING COMPLYING WITH ASTM A 153.
 - POWER-DRIVEN FASTENERS SHALL COMPLY WITH NDS ESR-1534
 - STEEL BOLTS SHALL COMPLY WITH ASTM A 307, GRADE A; HEX NUTS SHALL COMPLY WITH ASTM A 563.
- PROVIDE FLEXIBLE FLASHING AS A COMPOSITE, WITH SELF-ADHESIVE, FLASHING PRODUCT CONSISTING OF A PLIABLE, BUTYL RUBBER OR RUBBERIZED-ASPHALT COMPOUND, BONDED TO A HIGH-DENSITY POLYETHYLENE FILM, ALUMINUM FOL, OR SPUNBONDED POLYOLEFIN TO PRODUCE AN OVERALL THICKNESS OF NOT LESS THAN 0.025".



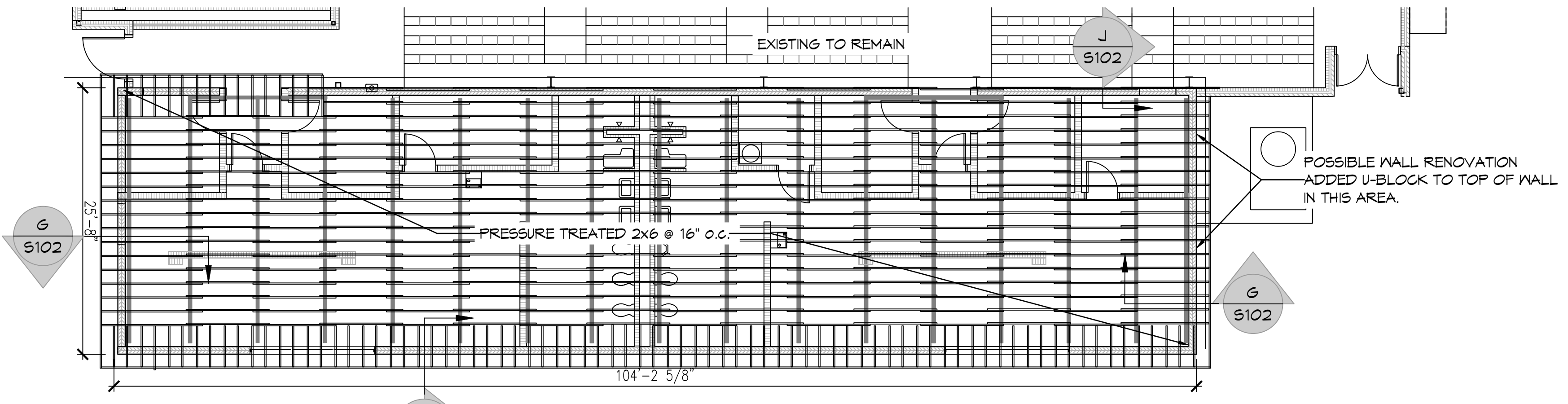
G EXTERIOR WALL SECTION
SCALE: 1/2"=1'-0"



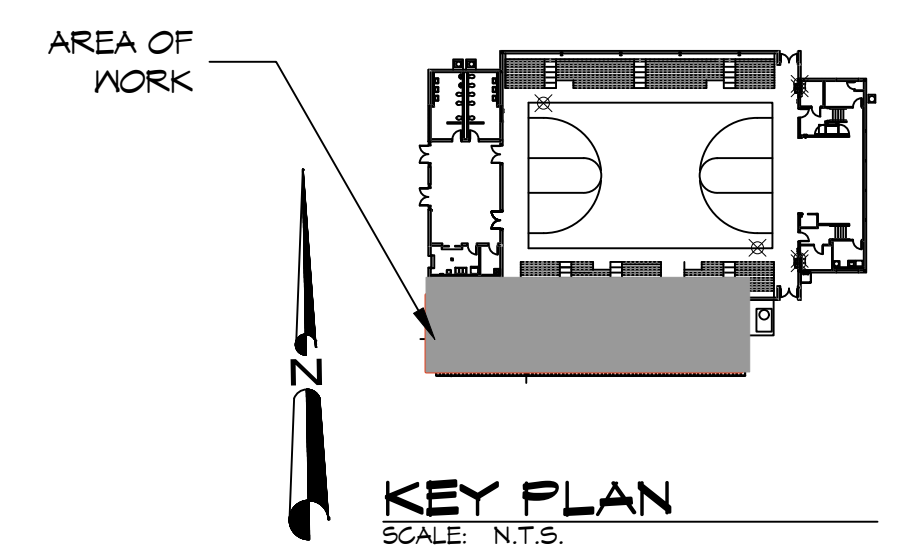
H EXTERIOR WALL SECTION
SCALE: 1/2"=1'-0"



I INTERIOR WALL SECTION
SCALE: 1/2"=1'-0"



G ROOF JOIST PLAN
SCALE: 1/8"=1'-0"



KEY PLAN
SCALE: N.T.S.

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REVISIONS	DATE

SEAL:

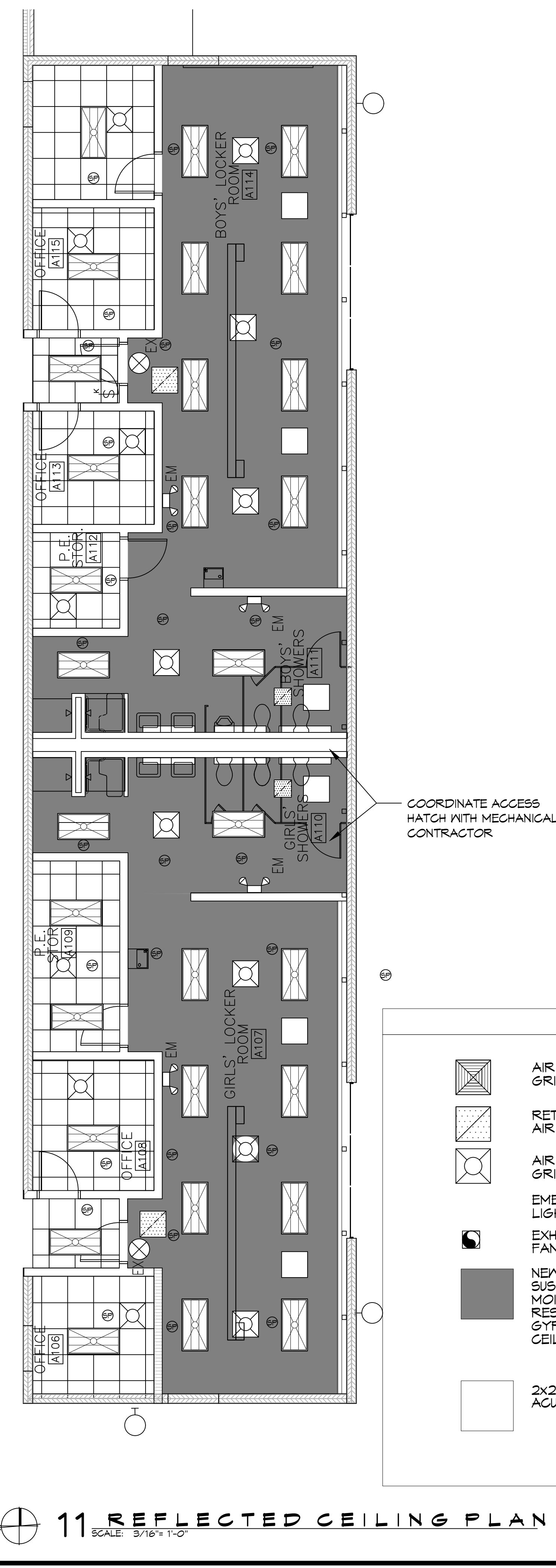
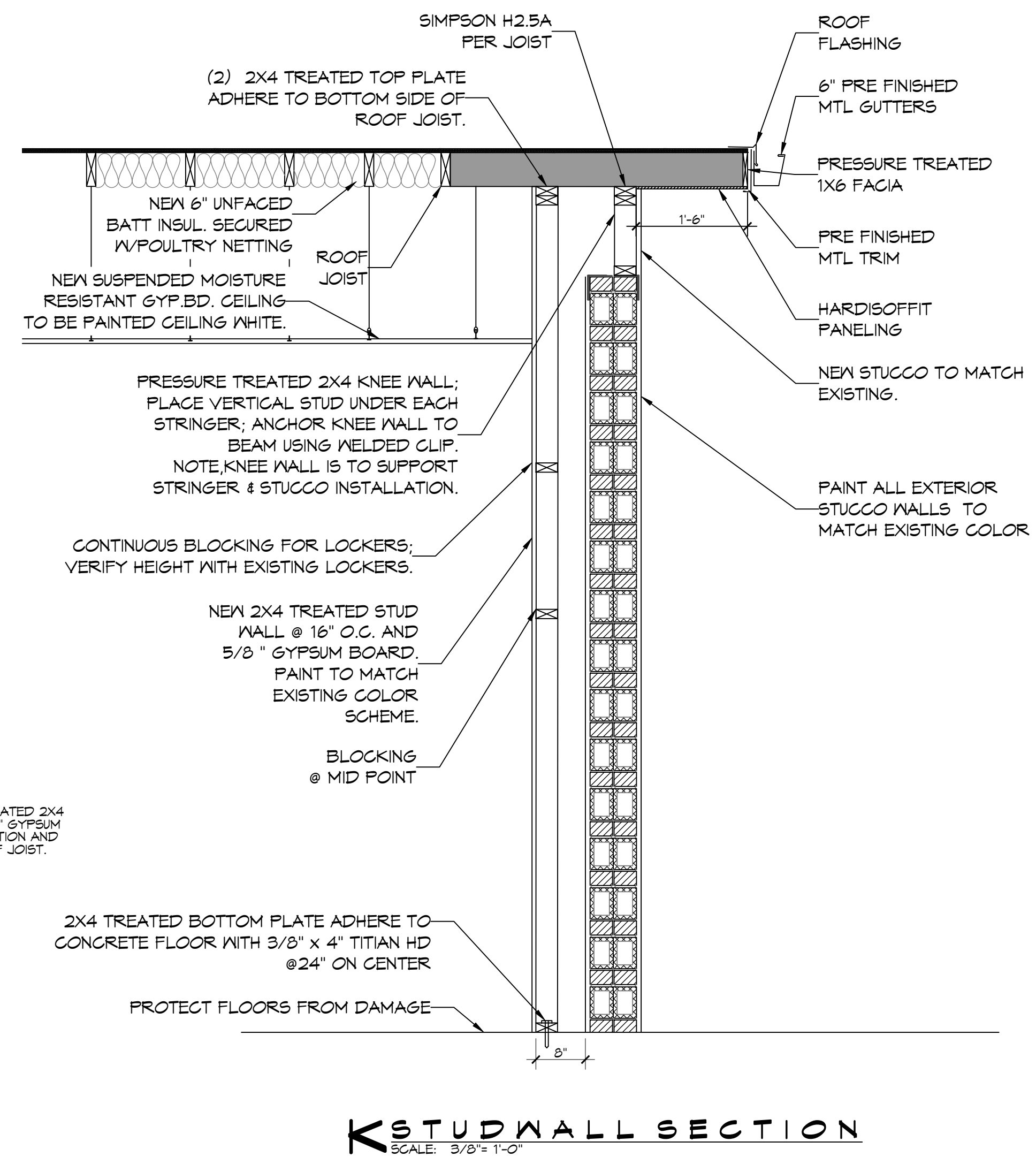
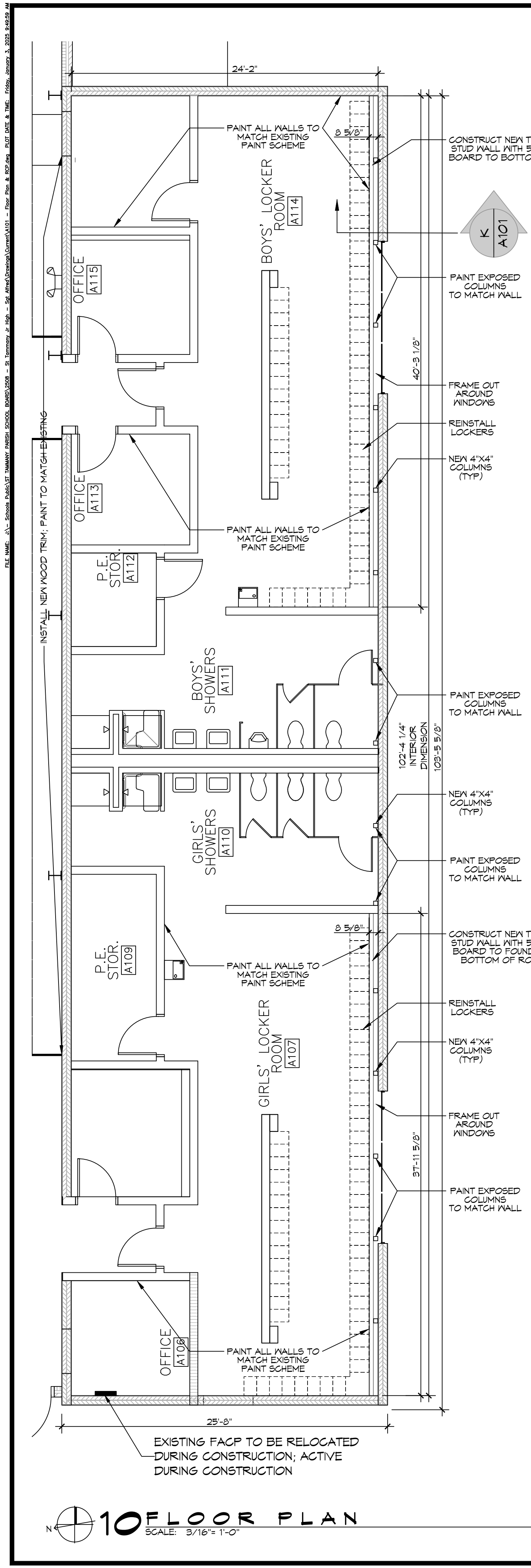
STATE OF LOUISIANA
BRIAN A. MISTICH
LICENSE NO. 20187
1/3/2025
PROFESSIONAL ENGINEER

DATE: 12-15-2024
DRAWN BY: BAK
CHECKED BY: CJD

SHEET TITLE:
RAFTER STRUCTURAL SUPPORT PLAN

DRAWING NUMBER:
S102

SHEET No: 5 of 12



GENERAL NOTES

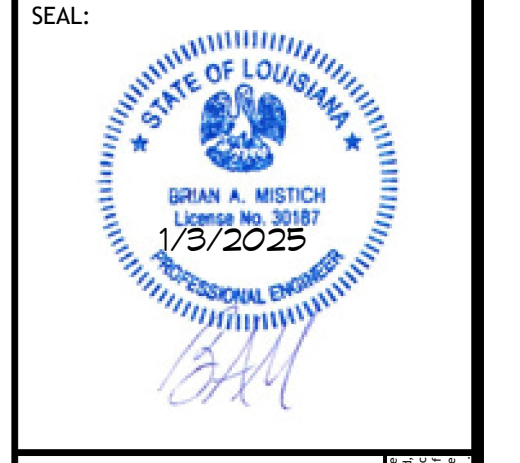
- INSULATION AND INSULATION ASSEMBLIES SHALL MEET THE REQUIREMENTS OF IBC 2012 SECTION 714.
 - CONCEALED INSULATION SHALL HAVE A FLAME SPREAD OF 0-25 AND SMOKE DEVELOPED INDEX OF 0-450, EXCEPT THAT IN COMBUSTIBLE (WOOD FRAME) CONSTRUCTION.
 - FACINGS SHALL COMPLY WITH IBC 2012.
- ALL MATERIALS SHALL BE NEW AND UL LISTED.
- NO WORK SHALL BE CONCEALED UNTIL APPROVED BY LOCAL INSPECTORS.
- CONSTRUCTION SHALL COMPLY WITH ALL PARISH, STATE, AND LOCAL CODES.
- CONTRACTOR TO GUARANTEE WORK FOR ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION.
- CONTRACTOR SHALL FURNISH WATER AND POWER FROM EXISTING SOURCES.
- EXTERIOR CAULKING SHALL BE THICKAL CAULK.
- PAINT SHALL BE SHERWIN WILLIAMS OR EQUIVALENT AND APPROPRIATE FOR THE SUBSTRATE TO WHICH IT IS APPLIED AS RECOMMENDED BY PAINT MANUFACTURER. ALL WORK TO RECEIVE THREE COATS (ONE PRIMER COAT, TWO FINISH COATS) UNLESS OTHERWISE RECOMMENDED BY PAINT MANUFACTURER. COLORS TO BE SELECTED BY OWNER.
- PROVIDE CLEANUP ON A REGULAR BASIS. NO TRASH SHALL BE STORED INSIDE BUILDING PREMISES.
- ALL BATT INSULATION SHALL HAVE A CLASS "A" (0-25) FLAME SPREAD IN COMPLIANCE WITH IBC 2012.
- USE 2x6 STUDS, OR TWO 2x4 STAGGERED STUDS WITH 2x6 SILL PLATE AT ALL WALLS WHERE 4" PIPE IS INDICATED. SEE PLUMBING RISER DIAGRAM FOR PIPE SIZE.
- PROVIDE GALVANIZED METAL PAN WITH DRAIN AT ALL WATER HEATERS.
- ALL FLOORING SHALL MEET OR EXCEED ADA GUIDELINES REQUIREMENTS FOR SLIP RESISTANCE.
- INTERIOR LOCKS ON DOORS IN MEANS OF EGRESS SHALL NOT REQUIRE THE USE OF A KEY, SPECIAL KNOWLEDGE, OR SPECIAL DEVICE TO OPEN IN THE DIRECTION OF EGRESS. ALL DOORS SHALL HAVE LEVER TYPE HANDLES.
- INTERIOR WALLS AND CEILINGS SHALL HAVE A FLAME SPREAD OF 0-200 AND A SMOKE DEVELOPMENT RATING OF 0-450.
- ALL WORK SHALL COMPLY WITH THE LATEST EDITION OF ALL LOCAL, STATE, AND NATIONAL CODES GOVERNING THE TYPE OF WORK BEING PERFORMED.
- PROVIDE PORTABLE FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 101. SEE APPENDIX "E" OF NFPA 101 FOR DISTRIBUTION OF EXTINGUISHERS.
- ALL FIRE WALLS SHALL EXTEND TIGHT TO ROOF DECK AND BE SEALED WITH AN APPROVED FIRE CAULK.
- ALL ELECTRICAL, MECHANICAL, AND PLUMBING MATERIALS PENETRATING FIRE WALLS SHALL BE FIRE CAULKED. PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.
- SERVICE COUNTERS SHALL HAVE AN ACCESSIBLE WRITING SURFACE IN COMPLIANCE WITH ADAAG ACCESSIBILITY GUIDELINES 2010, SECTION 902.3.

LEGEND

- | | | | |
|--|---------------------------------------------------|--|------------------------------------------------|
| | AIR SUPPLY GRILLE | | EXIT LIGHT |
| | RETURN AIR GRILLE | | VANITY LIGHT IN RESTROOMS |
| | AIR SUPPLY GRILLE | | EXTERIOR WALL LIGHT |
| | EMERGENCY LIGHT | | 2X4 FLUORESCENT |
| | EXHAUST FAN | | 2X2 DROP CEILING MATCH EXISTING CEILING HEIGHT |
| | NEW SUSPENDED MOISTURE RESISTANT GYP. BD. CEILING | | 2X2 ACCESS HATCH ACUDOOR BP-2002 |
| | SPRINKLER HEAD | | |

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 EXPIRES 12/31/2024

STAMM ANOL JUNIOR
 THE DAYCARE PROGRAM
 SHEET TITLE:
 FLOOR PLAN AND REFLECTED CEILING PLAN
 DRAWING NUMBER:
A101
 SHEET No: 7 of 12

10 FLOOR PLAN
 SCALE: 3/16" = 1'-0"

11 REFLECTED CEILING PLAN
 SCALE: 3/16" = 1'-0"

