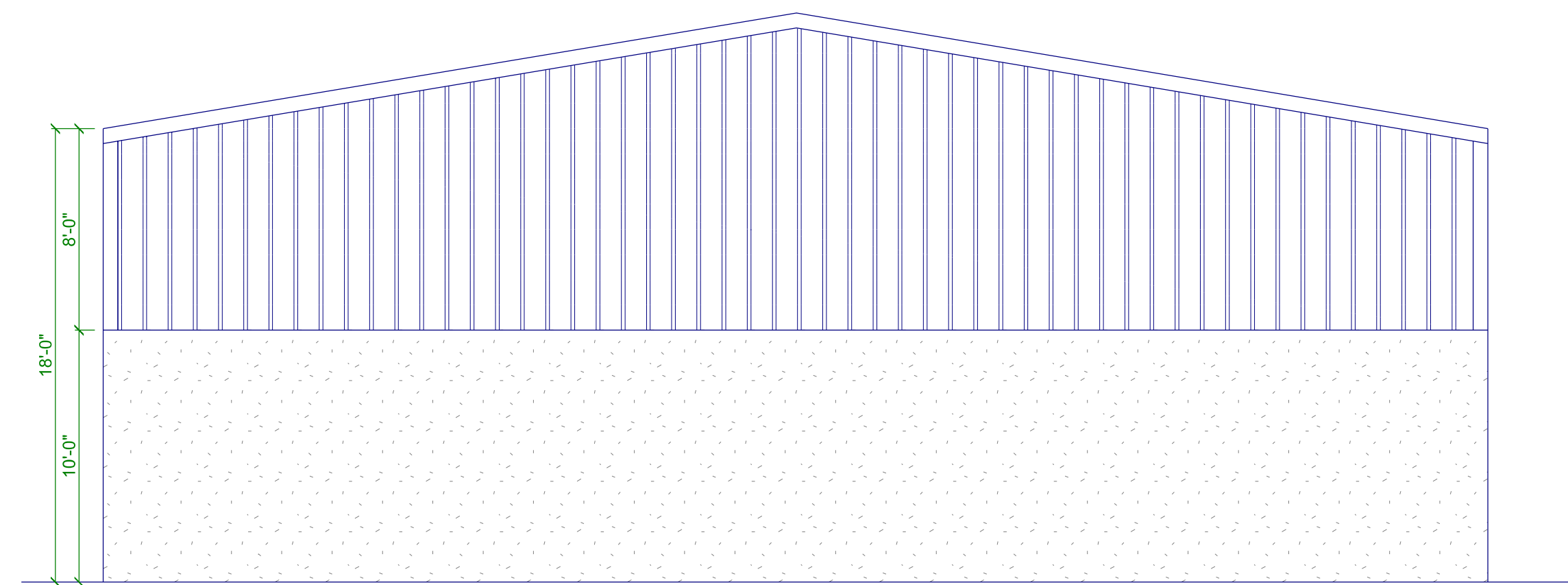


SANDALWOOD BLDG 3

5012 LENA ROAD

BRADENTON, FLORIDA 34211



EAST & WEST ELEVATION

ELEVATIONS.....	A1
BUILDING LAYOUT.....	A2
LIFE SAFETY.....	A3
ELECTRICAL LAYOUT.....	E1
HVAC LAYOUT.....	H1
PLUMBING LAYOUT.....	P1
STRUCTURAL NOTES.....	S1
FOUNDATION.....	S2
REBAR-CELL PLACEMENT.....	S3
WALL DETAILS.....	S4

APPLICABLE CODES:
 2023 (8th EDITION) FLORIDA BUILDING CODE
 2023 (8th EDITION) FLORIDA MECHANICAL CODE
 2023 (8th EDITION) FLORIDA PLUMBING CODE
 2023 (8th EDITION) FLORIDA ACCESSIBILITY CODE
 2023 (8th EDITION) FLORIDA ENERGY CODE
 FLORIDA FIRE PREVENTION CODE
 2020 NEC

BUILDING USE: TYPE B/S1
 CONSTRUCTION TYPE II-B, NOT SPRINKLED

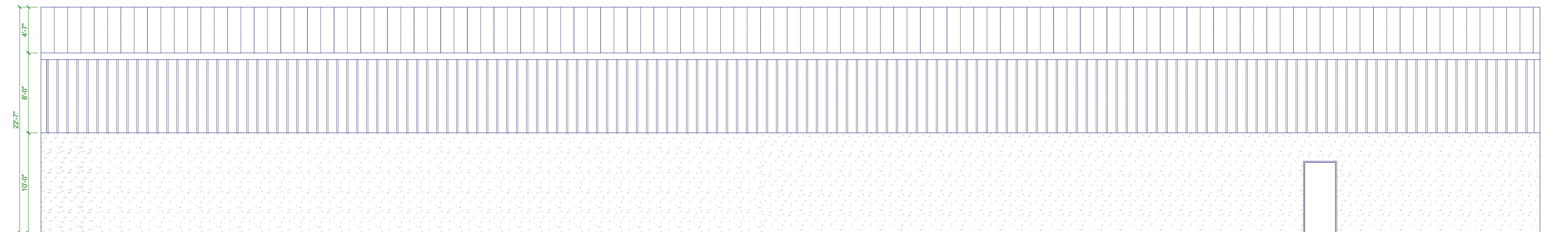
TOTAL BUILDING AREA:.....9,000sft
 OFFICE.....1,127sft
 WAREHOUSE.....7,873sft

OCCUPANT LOAD:
 OFFICE AREA - 1,127sft...1/150 = 8 OCCUPANTS
 WAREHOUSE - 7,873sft...1/500 = 15 OCCUPANTS
 (ACTUAL 2 INTERMITTENT)

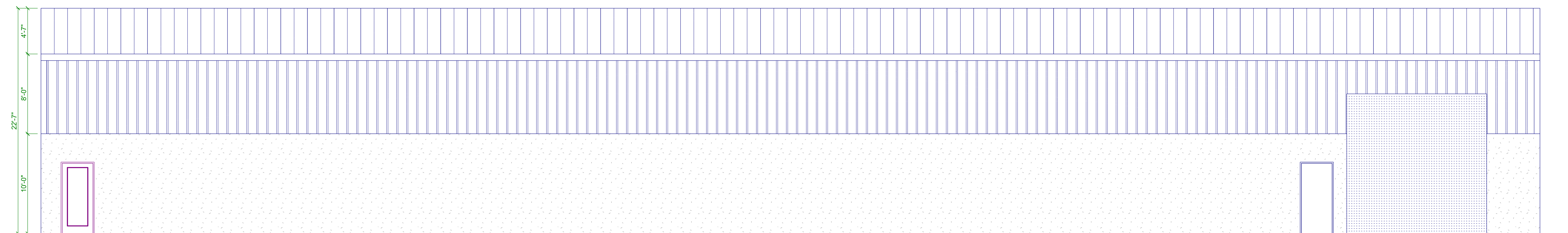
MIN. REQ. MEANS OF EGRESS WIDTH - 34"

MINIMUM INTERIOR FINISHES - ROOMS - CLASS "C"
 EXIT CORRIDORS - CLASS "B"

BUILDING RISK CATEGORY.....II
 BUILDING EXPOSURE CATEGORY.....C
 WIND SPEED IN MPH Vult.....160



SOUTH ELEVATION



NORTH ELEVATION

ENGINEER ON RECORD:
RICHARD WILLIAM HOWARD JR.
 PROFESSIONAL ENGINEER
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PROJECT LOCATION:
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 5012 LENA ROAD
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REVISIONS
 02/16/2024

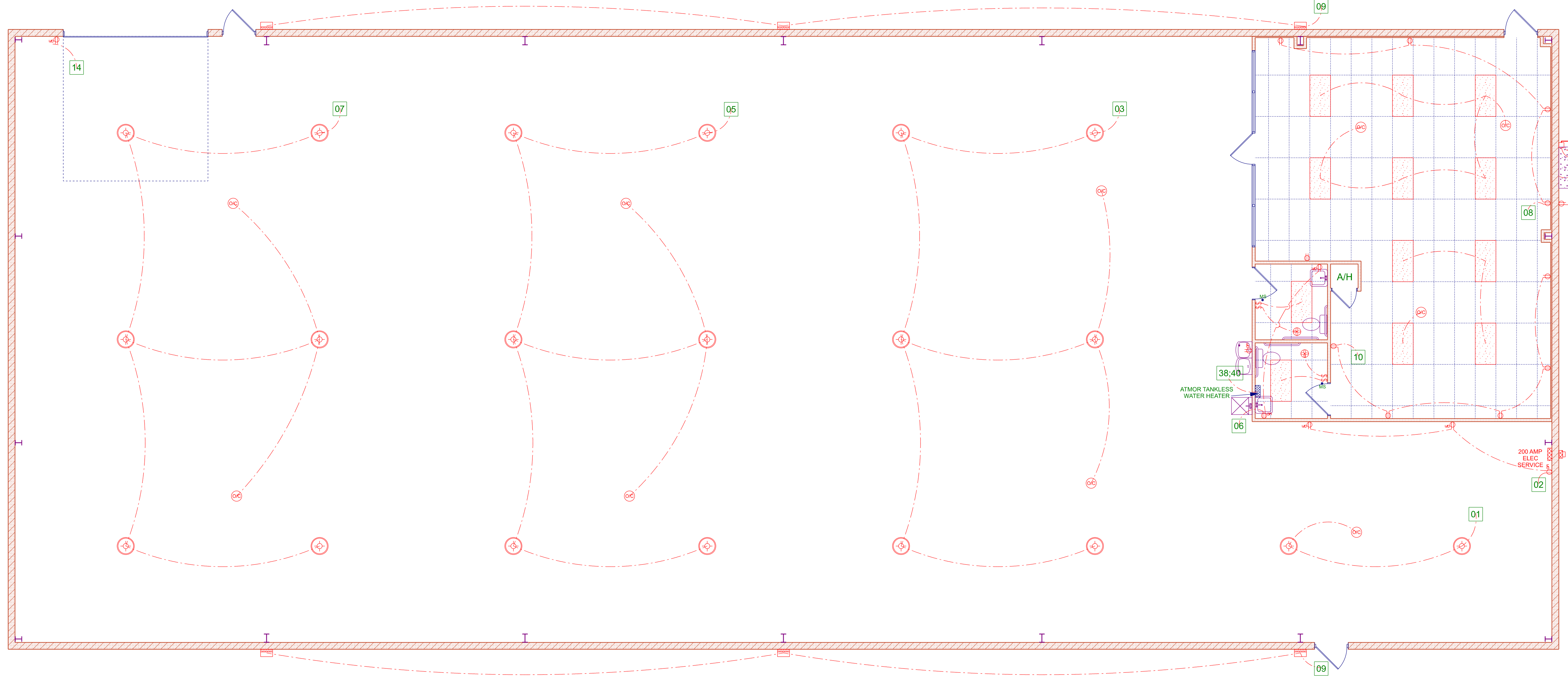
DRAWN BY:
 JRD

DATE:
 11/14/2023

Scale:
 3/16"=1'0"

JOB NUMBER

SHEET #
A1



ELECTRICAL LAYOUT

APPLICABLE CODE - 2020 NEC OCCUPANT SENCOR CONTROLS PER C405.2.1

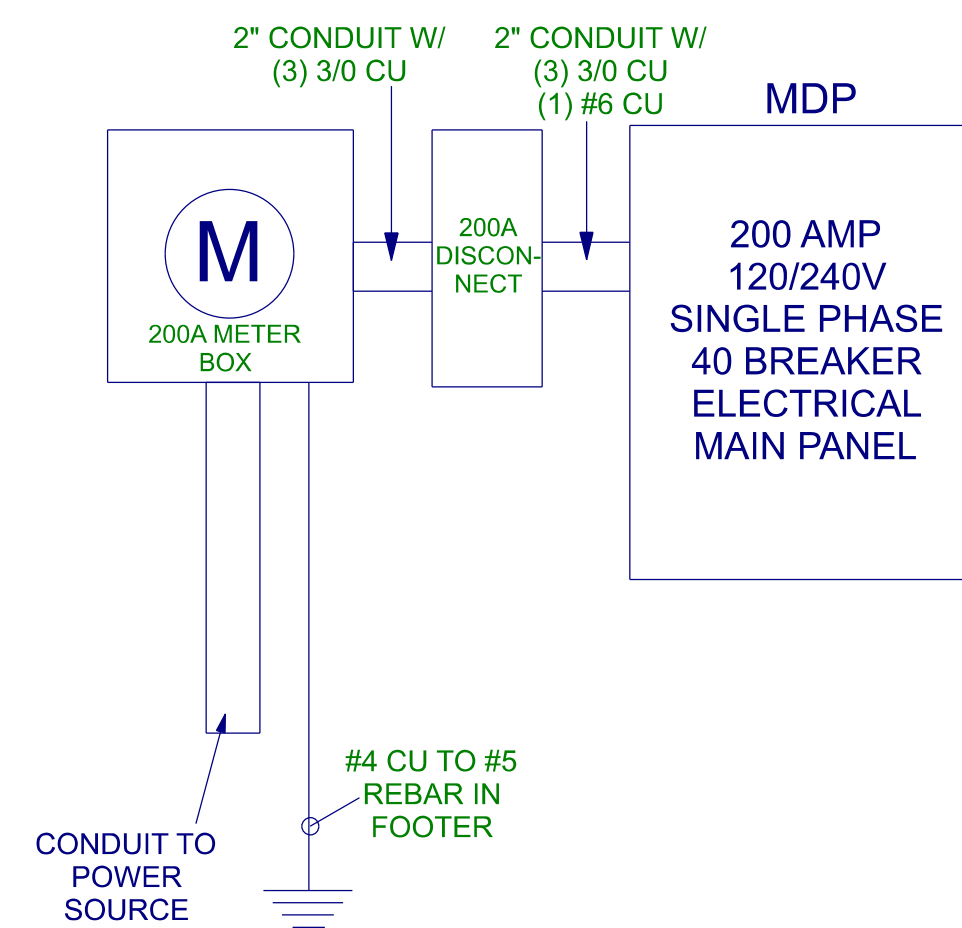
- OCCUPANT SENCOR CONTROLS SHALL BE INSTALLED TO CONTROL LIGHTS IN THE FOLLOWING SPACE TYPES:
1. CLASSROOMS/LECTURE/ TRAINING ROOMS.
 2. CONFERENCE/MEETINGS/MULTIPURPOSE ROOMS.
 3. COPY/PRINT ROOMS.
 4. LOUNGES.
 5. EMPLOYEE LUNCH AND BREAK ROOMS.
 6. PRIVATE OFFICES.
 7. RESTROOMS.
 8. STORAGE ROOMS.
 9. JANITORIAL ROOMS.
 10. LOCKER ROOMS.
 11. OTHER SPACE 300sqft OR LESS THAT ARE ENCLOSED BY FLOOR TO CEILING PARTITIONS.
 12. WAREHOUSES

OCCUPANT SENCOR CONTROLS FUNCTIONS PER C405.2.1.1

- OCCUPANT SENCOR CONTROLS IN SPACES OTHER THAN WAREHOUSES SPECIFIED IN SECTION C405.2.1 SHALL COMPLY WITH THE FOLLOWING:
1. AUTOMATICALLY TURN OFF LIGHTS WITHIN 30 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE.
 2. BE MANUAL ON OR CONTROLLED TO AUTOMATICALLY TURN THE LIGHTING ON TO NOT MORE THAN 50 PERCENT POWER.
- FULL AUTOMATIC-ON CONTROLS SHALL BE PERMITTED TO CONTROL LIGHTING IN PUBLIC CORRIDORS, STAIRWAYS, RESTROOMS, PRIMARY BUILDING ENTRANCE AREAS AND LOBBIES, AND AREAS WHERE MANUAL-ON OPERATION WOULD ENDANGER THE SAFETY OR SECURITY OF THE ROOM OR BUILDING OCCUPANTS.

ELECTRICAL NOTES

- ALL ELECTRICAL WORK, INCLUDING WIRING AND BRANCH CIRCUITS SHALL BE IN STRICT ACCORDANCE WITH NATIONAL ELECTRICAL CODE, LIFE SAFETY CODE, NATIONAL FIRE PROTECTION ASSO., FBC AND ALL OTHER
- ALL WIRING BELOW GRADE, IN CONCRETE SLAB, MUST BE RUN IN CONDUIT AND BE RATED FOR WET AREAS.
- ALL WIRE RUN IN STUD WALLS MAY BE RUN IN ROMEX WHERE SEPERATED FROM INTERIOR SPACE BY A MIN OF 1/2" DRYWALL.
- ALL SURFACE RUN WIRING TO BE RUN IN CONDUIT OR MC CABLE.
- GROUNDING OF ELECTRICAL SYSTEM SHALL BE ELECTRICALLY CONTINUOUS.
- SERVICE ENTRANCE GROUNDING SHALL MEET THE REQUIREMENTS OF THE
- EXIT/EMERGENCY LIGHTING SHALL BE WIRED TO THE NEAREST AVAILABLE LIGHTING CURCUIT. ALL UNITS SHALL HAVE BATTERY BACKUP.



RISER DIAGRAM

MDP PANEL

48 KVA x 0.80 = 38.4				21.5 PROPOSED			
200 A. SINGLE PHASE MAIN PANEL 120/240							
KVA	WIS	CIR	LOAD	C/B	C/B	LOAD	CIR
0.4	12	1	LIGHTING	20	20	RECEPTACLE	2
1.2	12	3	LIGHTING	20	20	RECEPTACLE	4
1.2	12	5	LIGHTING	20	20	RECEPTACLE	6
1.2	12	7	LIGHTING	20	20	RECEPTACLE	8
0.2	12	9	WALPAKS	20	20	RECEPTACLE	10
0.6	12	11	LIGHTING	20	20	DRINKING FOUNTAIN	12
0.3	12	13	RESTROOM	20	20	OIH DOOR RECEPTACLE	14
		15					16
		17					18
		19					20
		21					22
		23					24
		25					26
		27					28
		29					30
5.0	10	31	HEAT STRIPS	30	20	TIMER	32
		33			20	1-HP IRRIGATION WELL PUMP	34
0.5	12	35	AIR HANDLER	20			36
4.0	12	37	2 1/2 - TON A/C UNIT	25	20	ATMOR TANKLESS WATER HEATER	38
		39					40

- 24"x48" LED 50W FIXTURE
- DAMAR 200W UFO HIGH BAY
- TOPAZ 27W ARCHITECTURAL WALL PAK
- 50 CFM EXHAUST FAN VENTED TO THE EXTERIOR
- EXIT/EMERGENCY LIGHT WITH BATTERY BACKUP
- EMERGENCY LIGHT WITH BATTERY BACKUP
- 120V DUPLEX OUTLET
- GFI 120V DUPLEX OUTLET
- SINGLE SWITCH
- 3 - WAY SWITCH
- OCCUPANT SENCOR
- MOTION SENCOR SWITCH

SEE A2; LIFE SAFETY SHEET

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REVISIONS

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JRD

DATE:
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Scale:
3/16"=1'0"

JOB NUMBER

SHEET #

E1

STRUCTURAL NOTES

GENERAL NOTES:

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.

ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.

THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO INSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS.

DESIGN LOADS:

THE STRUCTURAL SYSTEM FOR THIS BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2020 FBC - 7TH EDITION. THE FOLLOWING SUPERIMPOSED LOADINGS HAVE BEEN UTILIZED

MTL BLDG ROOF: LIVE LOAD -20 psf.
DEAD LOAD - 5 psf PLUS BLDG SELF WEIGHT
OFFICE ROOF: LIVE LOAD -20 psf
DEAD LOAD -20 psf TOP CHORD, 5 psf BOTTOM CHORD
MECHANIC AREA: LIVE LOAD -40 psf
DEAD LOAD -20 psf
PLATFORM AREA: LIVE LOAD -150 psf
DEAD LOAD -20 psf

SOIL BEARING ALLOWANCE.....1500 psf

WIND: ASCE 7-10
ULTIMATE WIND SPEED - 160 mph
EXPOSURE C
ENCLOSED STRUCTURE
RISK FACTOR II

SHOP DRAWING REVIEW:

SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY COMPLIANCE WITH THE CONTRACT DOCUMENTS AS TO QUANTITY, LENGTH, ELEVATIONS, DIMENSIONS, ETC.

ALL SHOP DRAWINGS SHALL BE REVIEWED BY THE CONTRACTOR PRIOR TO SUBMITTAL TO THE ARCHITECT/ENGINEER. DRAWINGS SUBMITTED WITHOUT REVIEW NOTATION WILL BE RETURNED UNCHECKED.

ONE SET OF PRINTS WILL BE RETAINED BY THE ENGINEER AND ONE BY THE ARCHITECT. THE CONTRACTOR SHALL RECEIVE THE REMAINING PRINTS FOR SUBMITTAL TO THE BUILDING DEPARTMENT AND AS REQUIRED FOR DISTRIBUTION.

IN ALL INSTANCES THE CONTRACT DOCUMENTS WILL GOVERN OVER THE SHOP DRAWINGS UNLESS OTHERWISE SPECIFIED IN A REQUEST FOR INFORMATION (RFI) OR SIMILAR DOCUMENTATION BY THE ENGINEER.

SHOP DRAWINGS SHOULD BE SUBMITTED FOR ALL COMPONENTS OF THE STRUCTURAL FRAMING SYSTEM, AS REQUIRED BY THE ARCHITECT, AND AS NOTED ELSEWHERE IN THESE NOTES, INCLUDING, BUT NOT LIMITED TO:
CONCRETE MIX DESIGNS
MASONRY BLOCK
MASONRY BLOCK ACCESSORIES
MASONRY REINFORCING
CONCRETE REINFORCEMENT
STRUCTURAL STEEL (INCLUDING ANCHOR BOLTS)
PRE-ENGINEERED METAL BUILDING
ANY ALTERNATE MATERIAL/PRODUCT SUBSTITUTIONS

FOUNDATIONS:

FOUNDATION DESIGN IS BASED ON A SOIL BEARING PRESSURE OF 1,500 psf

FORMWORK AND SHORING:

NO STRUCTURAL CONCRETE SHALL BE STRIPPED UNTIL IT HAS REACHED AT LEAST TWO-THIRDS OF THE 28 DAY DESIGN STRENGTH. DESIGN, ERECTION AND REMOVAL OF ALL FORMWORK, SHORES AND RESHORES SHALL MEET THE REQUIREMENTS SET FORTH IN ACI STANDARDS 347 AND 301.

PLUMBING SLEEVES:

MINIMUM SLEEVE SPACING SHALL BE THREE DIAMETERS CENTER TO CENTER OF THE LARGER SLEEVE OR 6" CLEAR BETWEEN SLEEVES, WHICHEVER IS GREATER. PRIOR TO CONSTRUCTION SLEEVE LOCATIONS AND SIZES SHALL BE APPROVED BY THE ENGINEER.

REINFORCING STEEL:

SHALL BE ASTM A615 GRADE 60 DEFORMED BARS, FREE FROM OIL, SCALE AND RUST AND PLACED IN ACCORDANCE WITH THE TYPICAL BENDING DIAGRAM AND PLACING DETAILS OF ACI STANDARDS AND SPECIFICATIONS. SECURE APPROVAL OF SHOP DRAWINGS PRIOR TO COMMENCING FABRICATION.

WELDED WIRE FABRIC:

TO CONFORM TO ASTM A-185, FREE FROM OIL, SCALE AND RUST AND PLACED IN ACCORDANCE WITH THE TYPICAL PLACING DETAILS OF ACI STANDARDS AND SPECIFICATIONS. MINIMUM LAP SHALL BE ONE SPACE PLUS TWO INCHES.

CONCRETE:

SHALL BE PER AN APPROVED MIX DESIGN PROPORTIONED TO ACHIEVE A STRENGTH AT 28 DAYS AS LISTED BELOW WITH A PLASTIC AND WORKABLE MIX: (3000 psi FOR FOUNDATIONS AND SLABS ON GRADE.)

CONCRETE SHALL BE PLACED AND CURED ACCORDING TO ALL STANDARDS AND SPECIFICATIONS.

WATER/CEMENT RATIO FOR CONCRETE AT EXTERIOR BALCONIES SHALL NOT EXCEED 0.40 BY WEIGHT AND HAVE 5,000psi MINIMUM COMPRESSIVE CAPACITY.

UNLESS NOTED OTHERWISE ON PLANS, THE FOLLOWING CONCRETE CLEAR COVER SHALL BE PROVIDED FOR ALL NON-PRESTRESSED CONCRETE REINFORCEMENT PER ACI 318:

CONCRETE CAST AGAINST EARTH: ALL BARS - 3"
CONCRETE EXPOSED TO EARTH (FORMED FACE): ALL BARS - 2"
CONCRETE EXPOSED TO WEATHER: #6 BARS AND GREATER - 2"
#5 BARS AND SMALLER - 1 1/2"

WHERE NOT EXPOSED TO EARTH OR WEATHER:

SLABS, WALLS, AND JOISTS: #11 BARS AND SMALLER - 3/4"
BEAMS AND COLUMNS: ALL BARS - 1 1/2"

REMOVE VEGETATION FROM SLAB AND FOUNDATION AREAS:

- NO WOOD OR VEGETATION IS TO BE BURIED WITHIN 15' OF ANY BUILDING OR PROPOSED BUILDING.
- ALL MASONRY CELLS, CAVITIES AND AIR GAPS SHALL BE CLEANED OF ALL NON-PRESERVATIVE TREATED WOOD OR CELLULOSE MATERIAL PRIOR TO PLACEMENT OF CONCRETE.
- MAINTAIN A MINIMUM OF 6" BETWEEN EARTH AND FOAM PLASTIC INSULATION OR DECORATIVE FILLER.
- EXTEND SOIL TREATMENT 1'-0" BEYOND EXTERIOR WALLS OF STRUCTURE:
 - SOIL TREATMENT CERTIFICATE TO BE STORED ON SITE UNTIL SUBSTANTIAL COMPLETION.

MASONRY WALLS:

MASONRY UNITS SHALL MEET ASTM C-90 FOR HOLLOW LOAD BEARING TYPE MASONRY WITH UNIT STRENGTH OF 1900 psi ON THE NET AREA (f_m = 1500 psi). MORTAR SHALL BE TYPE "M" OR "S" AND MEET ASTM C-270. GROUT SHALL BE 3000 psi MINIMUM COMPRESSIVE STRENGTH AND MEET ASTM C-476. PROVIDE HOOKED DOWELS IN FOOTINGS FOR ALL VERTICAL REINFORCING ABOVE. LAP SPLICES 48 BAR DIAMETERS.

BLOCK CELLS AS SHOWN ON PLANS SHALL BE GROUT FILLED WITH VERTICAL REINFORCING BARS. SEE PLAN NOTES FOR BAR SIZE AND SPACING. DOWELS SHALL BE USED TO PROVIDE CONTINUITY INTO THE STRUCTURE ABOVE AND/OR BELOW, UNLESS NOTED OTHERWISE. USE METAL LATH, MORTAR, OR SPECIAL UNITS TO CONFINE CONCRETE AND GROUT TO AREA REQUIRED.

PROVIDE 9 GAGE GALVANIZED HORIZONTAL JOINT REINFORCING (DUR-O-WALL OR ENGINEER APPROVED SUBSTITUTION) AT ALTERNATE BLOCK COURSES, BEGINNING 8" ABOVE FOOTINGS AND FLOOR LEVELS.

GROUT LIFT: AN INCREMENT OF GROUT HEIGHT WITHIN A TOTAL GROUT POUR.
GROUT POUR: THE TOTAL HEIGHT OF MASONRY TO BE GROUTED PRIOR TO ERECTION OF ADDITIONAL MASONRY. A GROUT POUR CONSISTS OF ONE OR MORE GROUT LIFTS. GROUT POURS SHALL SET FOR A MINIMUM OF 4 HOURS BEFORE ANY ADDITIONAL GROUT PLACEMENT.

GROUT SHALL HAVE A SLUMP BETWEEN 8 AND 11 INCHES, EXCEPT SELF-CONSOLIDATING GROUT. JOB-SITE PROPORTIONING OF SELF-CONSOLIDATING GROUT IS NOT PERMITTED.

MASONRY GROUTING REQUIREMENTS:

- FIELD-MIXED GROUT SHALL BE PLACED WITHIN 1-1/2 HOURS FROM INTRODUCING WATER INTO THE MIXTURE AND BEFORE INITIAL SET.
- GROUT SLUMP REQUIREMENTS:
 - FOR GROUT SLUMP BETWEEN 8 AND 10 INCHES, THE MAXIMUM GROUT LIFT HEIGHT IS 5 FEET.
 - FOR GROUT SLUMP BETWEEN 10 AND 11 INCHES, THE MAXIMUM GROUT LIFT HEIGHT IS 12.87 FEET.
 - FOR SELF-CONSOLIDATING GROUT, THE GROUT LIFT HEIGHT SHALL NOT EXCEED THE GROUT POUR HEIGHT (24 FEET MAX.).
- GROUT LIFT HEIGHTS EXCEEDING 5 FEET SHALL MEET THE FOLLOWING REQUIREMENTS:
 - MASONRY MORTAR HAS CURED FOR AT LEAST 4 HOURS.
 - GROUT SLUMP IS BETWEEN 10 AND 11 INCHES.
 - NO INTERMEDIATE BOND BEAMS ARE PLACED BETWEEN THE TOP AND BOTTOM OF THE GROUT LIFT HEIGHT.
- EACH GROUT LIFT SHALL BE CONSOLIDATED BY MECHANICAL VIBRATION AT THE TIME OF PLACEMENT. CONSOLIDATION IS NOT REQUIRED FOR SELF-CONSOLIDATING GROUT.
- EACH GROUT LIFT SHALL BE RECONSOLIDATED BY MECHANICAL VIBRATION AFTER INITIAL WATER LOSS AND SETTLEMENT HAS OCCURRED, AND BEFORE ADDING THE SUBSEQUENT GROUT LIFT. RECONSOLIDATION IS NOT REQUIRED FOR SELF-CONSOLIDATING GROUT.
- THE TIME BETWEEN PLACING GROUT LIFTS SHALL NOT EXCEED 1 HOUR.
- THE MAXIMUM POUR HEIGHT IS 24 FEET.
- A GROUT KEY SHALL BE PROVIDED AT THE TOP OF EACH GROUT LIFT AND GROUT POUR. GROUT KEYS SHOULD BE FORMED BY TERMINATING THE GROUT 1-1/2 INCHES BELOW A MORTAR JOINT.

TIE BEAMS:

BEAMS WITH THE PREFIX "TB" SHALL BE OF CONCRETE POURED AFTER THE BLOCK WALLS BELOW ARE IN PLACE. REINFORCING SHALL BE CONTINUOUS THROUGH TIE BEAMS WITH MINIMUM LAP SPLICES OF 48 BAR DIAMETERS AND BENT BARS AT CORNERS. USE METAL LATH, MORTAR, OR SPECIAL UNITS TO CONFINE CONCRETE TO AREA REQUIRED, IN ACCORDANCE WITH ACI 530.1, SECTION 4.3.3.3 (SOLID METAL OR FELT CAVITY CAPS ARE PROHIBITED).

TIE COLUMNS:

CONCRETE TIE COLUMNS SHALL BE PLACED AFTER THE MASONRY CMU WALLS. THE CONCRETE BLOCK FACING THE TIE COLUMN SHALL BE REMOVED SO THAT WHEN THE CONCRETE TIE COLUMN IS PLACED, THE CONCRETE WILL FLOW INTO THE BLOCK CELL INTERLOCKING THE TIE COLUMN WITH THE BLOCK. THIS SHALL OCCUR AT THE TOP AND BOTTOM OF THE WALL AND AT 24" ON CENTER FOR THE FULL HEIGHT OF THE INTERFACE BETWEEN THE BLOCK AND THE TIE COLUMN.

LINTELS:

MASONRY OPENINGS LESS THAN 6 FEET SHALL BE SPANNED WITH AN 8" SPAN RATED PRECAST/PRESTRESSED CONCRETE LINTEL. ALL PRECAST LINTELS SHALL BEAR A MINIMUM OF 8" AT EACH END ON A GROUT FILLED CELL.

MASONRY OPENINGS 6 FEET OR GREATER SHALL BE SPANNED WITH AN 8" SPAN RATED PRECAST/PRESTRESSED CONCRETE LINTEL WITH #5 BAR CONTINUOUS. PRECAST LINTEL AND ALL CELLS ABOVE, TO THE BOTTOM OF THE TIE BEAM OR BOND BEAM, SHALL BE GROUTED SOLID. ALL PRECAST LINTELS SHALL BEAR A MINIMUM OF 8" AT EACH END ON A GROUT FILLED CELL.

WHERE A CONCRETE COLUMN OR CONCRETE TIE COLUMN IS WITHIN 8" OF A MASONRY OPENING, THE LINTEL SHALL BE AN 8"x16" CONCRETE CAST-IN-PLACE BEAM WITH (2) #5 BARS TOP AND BOTTOM, AND #3 STIRRUPS AT 18" ON CENTER.

ANCHOR BOLTS:

SHALL CONFORM TO ASTM A-307 OR F1554 (THREADED ROD). ANCHOR BOLTS SHALL BE MINIMUM ASTM A-36 (GRADE 36) STEEL. PRE-ENGINEERED (MIN EMBEDMENT TO BE 21")

METAL BUILDING: THE PRE-ENGINEERED METAL BUILDING SHALL CONSIST OF ROOF DECK, RIGID FRAMES, METAL WALL PANELS ON FRAMING, CANOPY FRAMING, GUTTERS AND DOWNSPOUTS, AND FLASHING. DEVIATION FROM BAY SPACING SHOWN ON THE PLANS SHALL NOT BE PERMITTED TO SUIT MANUFACTURERS STANDARDS.

THE SYSTEM SHALL BE DESIGNED AND DETAILED BY THE MANUFACTURER TO SUSTAIN THE DESIGN LOADS SPECIFIED. THE DESIGN SHALL BE IN ACCORDANCE TO AISC AND AISI SPECIFICATIONS AND MBMA "METAL BUILDING SYSTEMS MANUAL" DESIGN PRACTICES, LATEST ISSUES.

THE MANUFACTURER SHALL BE REGULARLY ENGAGED IN METAL BUILDING DESIGN AND MANUFACTURING. CURRENT MBMA MEMBERS ARE APPROVED. OTHERS SHALL SUBMIT PRODUCT DATA FOR REVIEW.

ALL COLUMNS SHALL BE DESIGNED AS UNBRACED BY THE MASONRY. LONGITUDINAL WIND BRACING SHALL BE DESIGNED TO TRANSFER LOADS TO THE MASONRY WALLS WHERE INDICATED ON THE DRAWINGS. STEEL PLATES EMBEDDED IN A POURED CONCRETE TIE BEAM HAVE BEEN PROVIDED FOR ANCHORING TO THE WALLS. THE DESIGN OF THE CONNECTION OF THE BUILDING BRACING TO THE EMBEDDED PLATE IS THE RESPONSIBILITY OF THE PRE-ENGINEERED METAL BUILDING SUPPLIER. THE LOADS TRANSMITTED SHALL BE SUPPLIED WITH THE SHOP DRAWINGS.

AT LOCATIONS NOTED ON THE DRAWINGS THE COLUMNS ARE TO LATERALLY SUPPORT THE CONCRETE BLOCK WALLS AGAINST WIND LOADS. STEEL PLATES EMBEDDED IN A POURED CONCRETE TIE BEAM HAVE BEEN PROVIDED FOR ANCHORING TO THE WALLS. THE DESIGN OF THE CONNECTION OF THE COLUMN TO THE EMBEDDED STEEL PLATE IS THE RESPONSIBILITY OF THE PRE-ENGINEERED METAL BUILDING SUPPLIER. THE LOADS THAT NEED TO BE TRANSMITTED FROM THE WALL TO THE COLUMNS CAN BE DERIVED FROM THE "COMPONENTS AND CLADDING" WIND LOAD CHART ON THE DRAWINGS.

SHOP DRAWINGS AND A LETTER OF CERTIFICATION SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO FABRICATION, AND SHOP DRAWINGS SHALL BEAR THE SIGNATURE AND IMPRESSED SEAL OF A FLORIDA REGISTERED PROFESSIONAL ENGINEER. SHOP DRAWINGS SHALL INDICATE THE DESIGN LOADS AND JOB NAME AND NUMBER. THEY SHALL INCLUDE DRAWINGS OF THE FRAMING MEMBERS WITH THE CONNECTIONS, THE ANCHOR BOLT PLAN AND REACTIONS. STANDARD CUT SHEETS OF THE ABOVE ARE NOT ACCEPTABLE. STANDARD CUT SHEETS MAY BE SUBMITTED FOR SECONDARY FRAMING CONNECTION DETAILS, FLASHING AND SHEETING DETAILS, etc.

CONTROL JOINTS:

ALL CONTROL JOINTS SHALL BE BEHIND STEEL COLUMN WHERE NEEDED BY CODE IN SOLID CMU WALLS. NOT TO EXCEED 50'

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5012 LENA ROAD
BRADENTON, FLORIDA 34211

REVISIONS

02/16/2024

DRAWN BY:
JRD

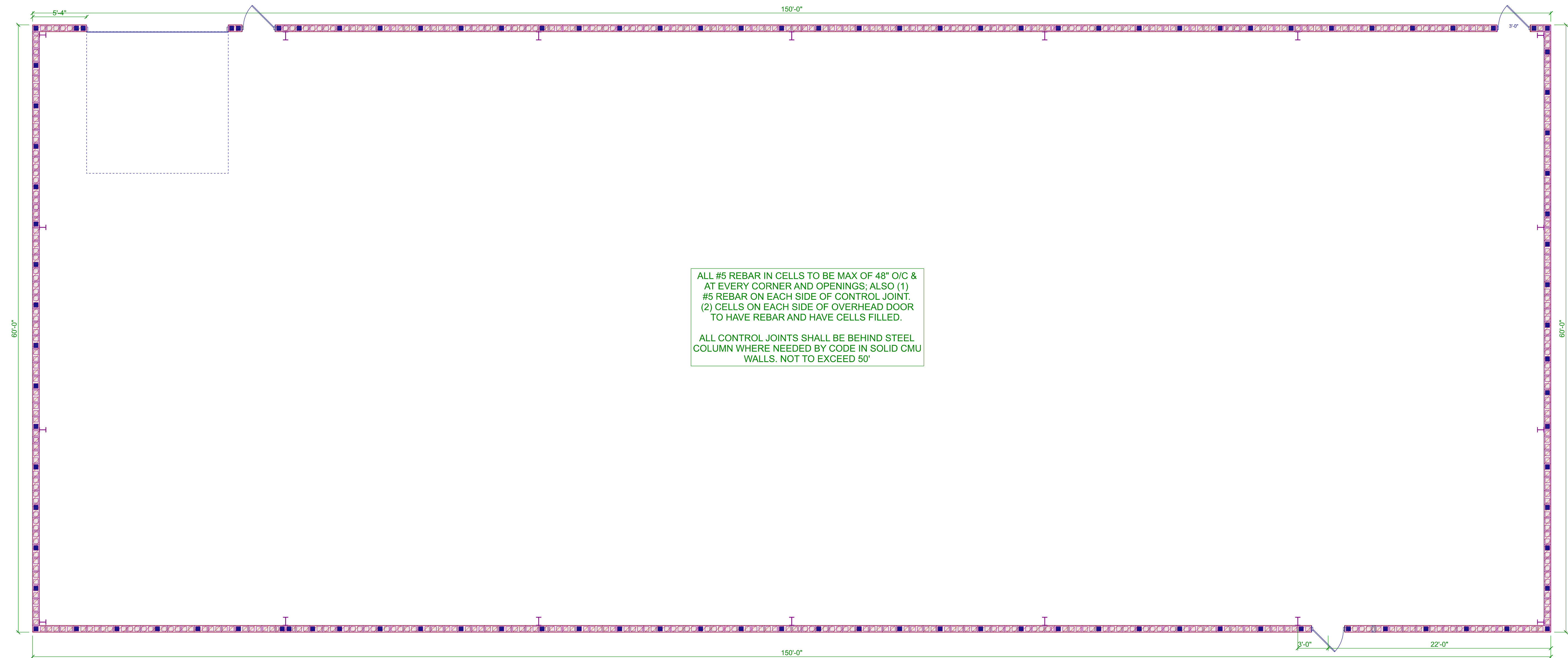
DATE:
11/15/2023

Scale:
N/A

JOB NUMBER

SHEET #

S1



ALL #5 REBAR IN CELLS TO BE MAX OF 48" O/C &
 AT EVERY CORNER AND OPENINGS; ALSO (1)
 #5 REBAR ON EACH SIDE OF CONTROL JOINT.
 (2) CELLS ON EACH SIDE OF OVERHEAD DOOR
 TO HAVE REBAR AND HAVE CELLS FILLED.

ALL CONTROL JOINTS SHALL BE BEHIND STEEL
 COLUMN WHERE NEEDED BY CODE IN SOLID CMU
 WALLS. NOT TO EXCEED 50'

REBAR - CELL PLACEMENT

**DO NOT SCALE DRAWINGS
 GO WITH MEASUREMENTS**

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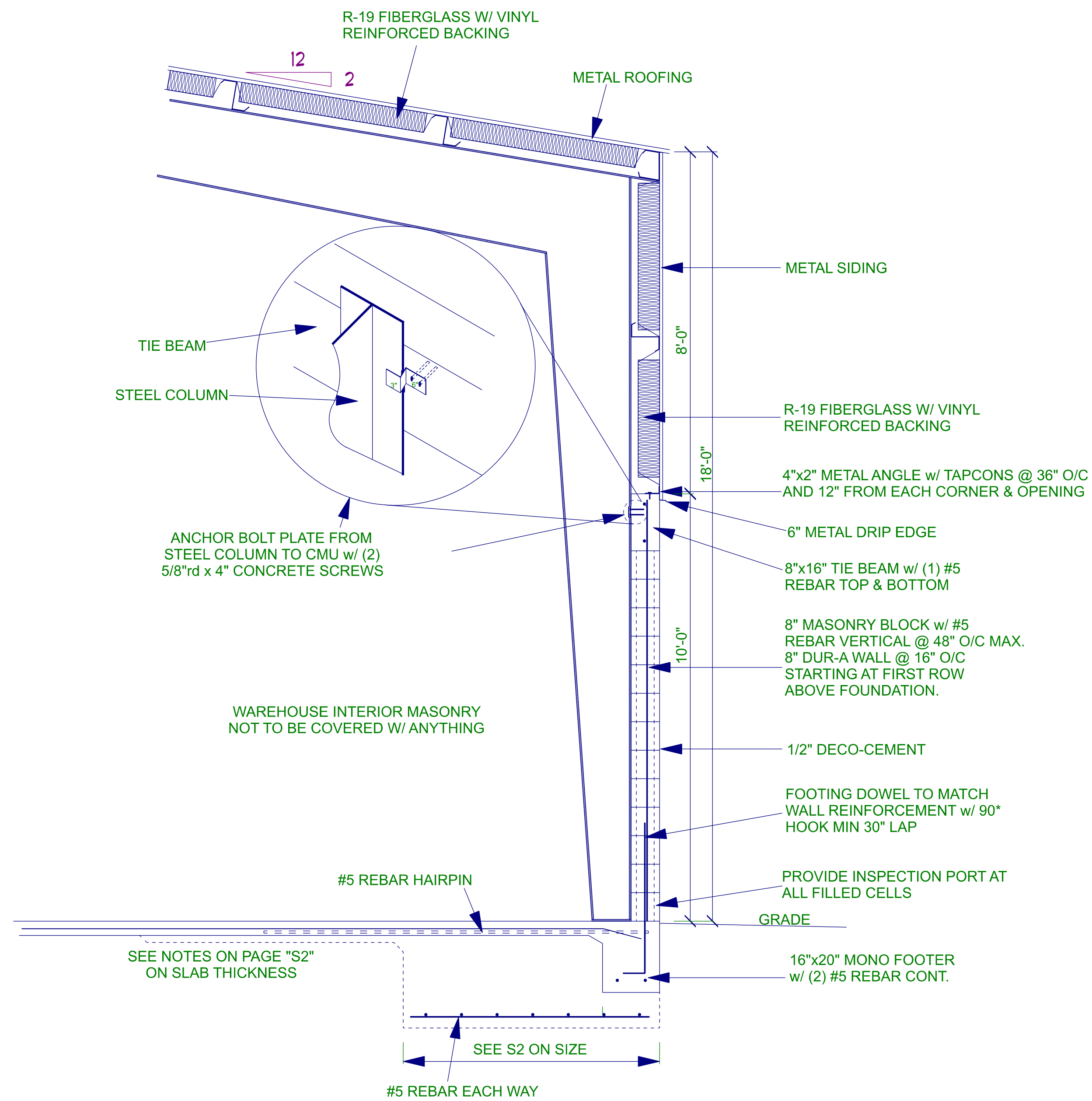
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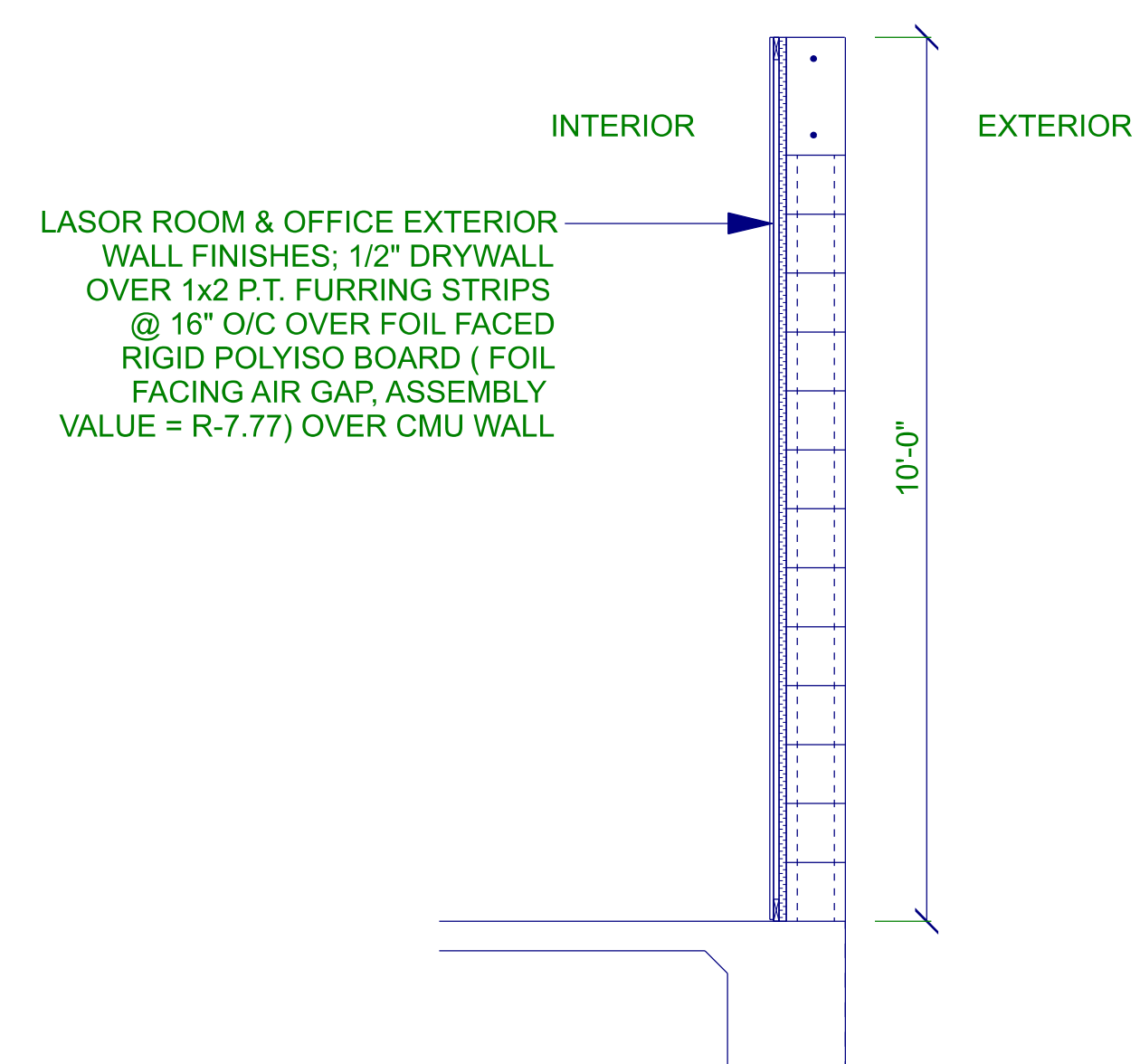
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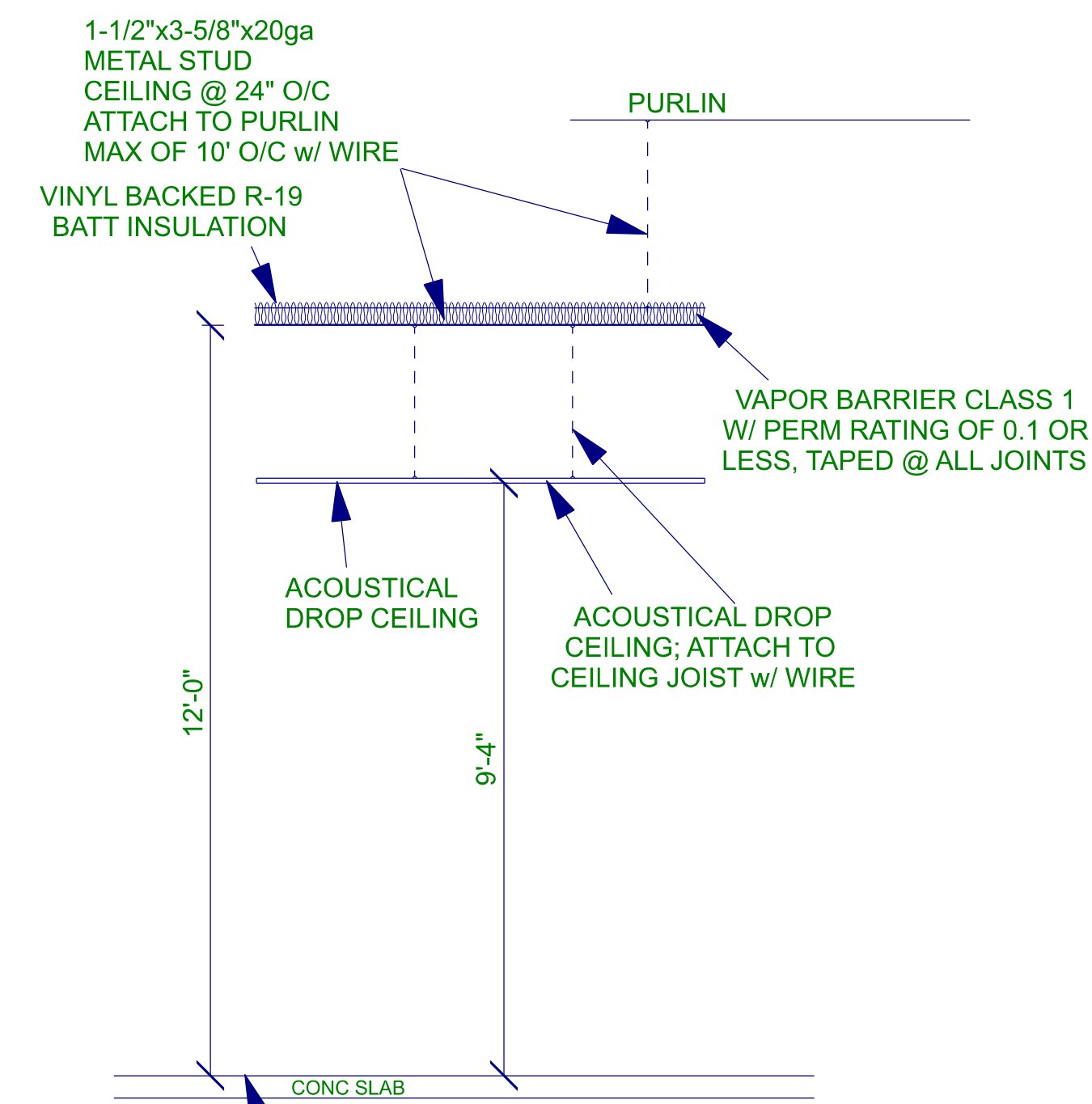
SHEET #
S3



TYP SIDEWALL DETAIL

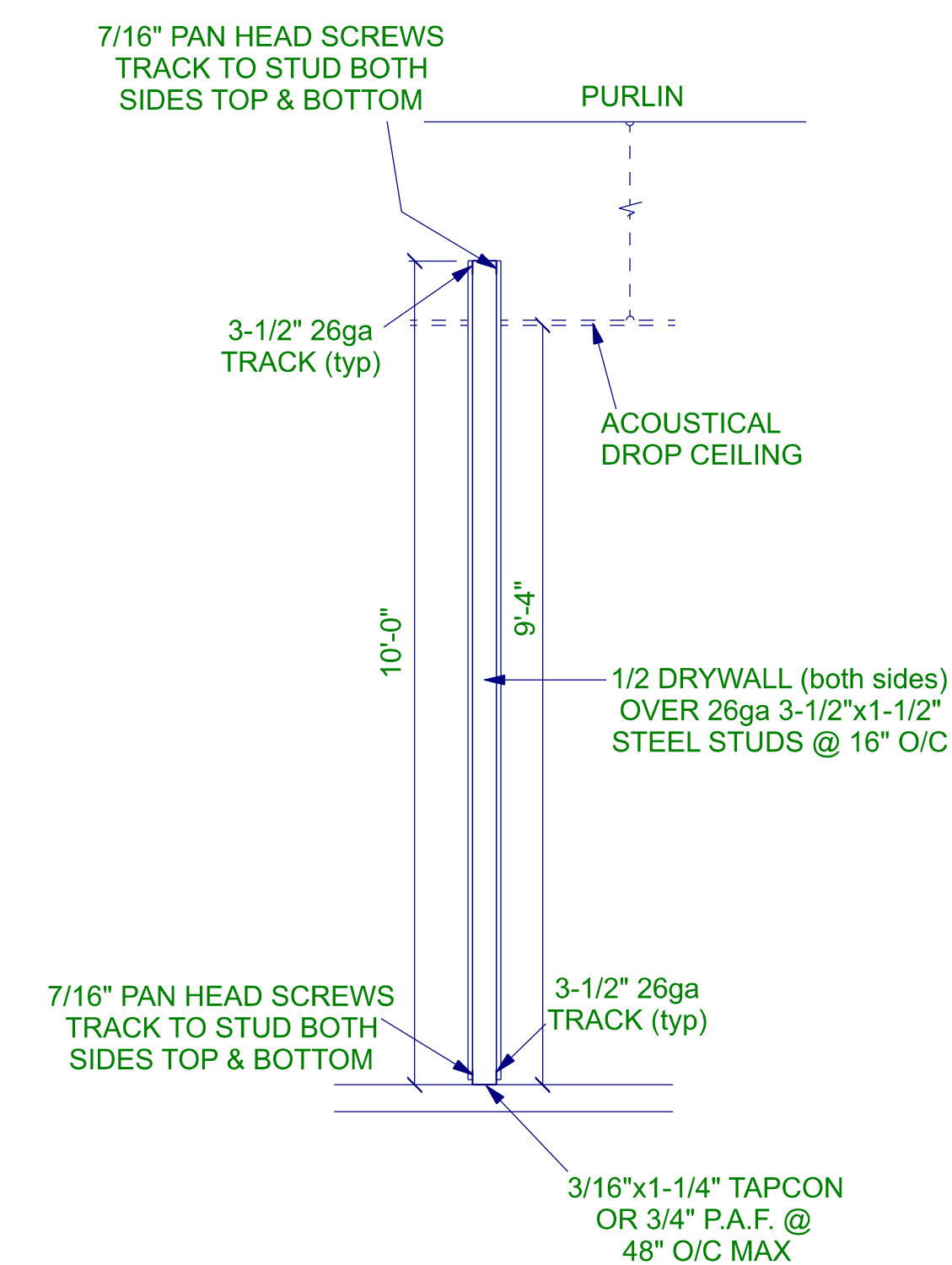


EXTERIOR OFFICE WALL DETAIL



NON-LOAD BEARING METAL STUD PARTITION IN OFFICE AREAS; OFFICE WALLS TO BE 9'-4" HIGH; ATTACH WALLS w/ 3/16"x1-1/4" TAPCONS OR 3/4" P.A.F. @ 48" O/C

TYP OFFICE CEILING DETAIL



NON LOAD BEARING STEEL STUD PARTITION

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DRAWN BY:
 JRD

DATE:
 11/15/2023

Scale:
 N.T.S.

JOB NUMBER

SHEET #

S4