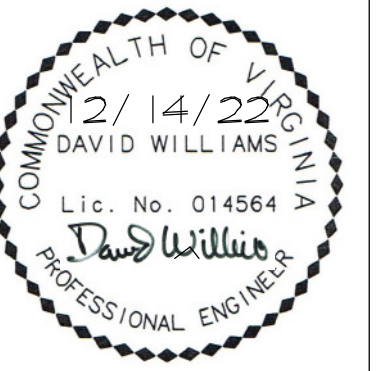


SHELL WAREHOUSE BUILDING- PHASE 2 NORTHGATE COMMERCE PARK

1965 NORTHGATE COMMERCE PARKWAY

SUFFOLK, VIRGINIA

DRAWINGS PREPARED BY
WILLIAMS ENGINEERING ASSOCIATES, P.C.



Project: 2230
Drawn: DRW
Checked: DRW
Date: 12/14/22

Revisions

Mark	Date
△	x/x/22

PROJECT DATA:

BUILDING CODE: 2018 VIRGINIA UNIFORM STATEWIDE BUILDING CODE
MODEL BUILDING CODE IS IBC 2018
SEPARATED USE GROUPS: B (BUSINESS) / S-1 (MODERATE HAZARD STORAGE)
GROSS BUILDING AREAS
EXISTING AREA (PHASE 1)= 51,600 SF (COMPLETED IN 2009)
ADDITION AREA (PHASE 2) = 37,500 SF
TOTAL COMBINED AREA = 89,100 SF
CONSTRUCTION TYPE IIB (NON COMBUSTIBLE)
FIRE SUPPRESSION SYSTEM: WILL BE PROVIDED (EXISTING BUILDING IS SPRINKLERED)
TO MEET 'UNLIMITED AREA' PROVISION PER SECTION 507 OF THE BUILDING CODE
FIRE RATED PERIMETER WALLS: NONE REQUIRED (CODE TABLE 602)
FIRE RATED INTERIOR WALLS: (NONE REQUIRED FOR UNLIMITED AREA BLDG)
PHASE 2 OCCUPANT LOAD: 37,500 SF / 500 = 75 OCCUPANTS
EGRESS EXITS REQUIRED: 8 BEING PROVIDED
MAX. PATH OF EGRESS TRAVEL = 200 LF (CODE TABLE 1017.2)
PLUMBING FIXTURES- PHASE 2 IS A SHELL BUILDING, TOILETS WILL BE PROVIDED AS PART OF TENTANT LEASING AND BUILD OUT

AREA LIMITATION CALCULATION:

TABULAR ALLOWABLE AREA, UNLIMITED AREA PER SECTION 507 OF THE CODE

ALLOWABLE HEIGHT CALCULATION:

ALLOWABLE HEIGHT: 3 STORIES, 75 FEET MAX.
BUILDING ADDITION IS 1 STORY, 36'-2" FRONT EAVE ELEVATION

OWNER:

NORTHGATE COMMERCE CENTER, LLC
1 SMITH STREET
NORWALK, CT

GENERAL CONTRACTOR:

C.L. PINCUS JR. & CO. INC. PHONE: (757) 468-5100
2700 SONIC DRIVE
VA. BEACH, VA 23453

STRUCTURAL ENGINEER:

WILLIAMS ENGINEERING ASSOCIATES, P.C. PHONE: (757) 717-8396 (M)
758 SHERATON DRIVE
VIRGINIA BEACH, VIRGINIA 23452

ARCHITECT: (NONE)

SHEET INDEX:

T-1.1	TITLE SHEET
S-1.1	FOUNDATION PLAN- PHASE 2
S-2.1	FOUNDATION SECTIONS AND DETAILS
S-2.2	TYPICAL DETAILS
S-2.3	TYPICAL DETAILS
S-3.1	BUILDING CROSS SECTIONS
S-3.2	TYPICAL PERIMETER WALL SECTIONS
S-3.3	TYPICAL WALL FRAMING DETAILS
S-4.1	STRUCTURAL NOTES
A-1.1	FLOOR PLAN- PHASE 2
A-1.2	ARCHITECTURAL DETAILS
A-2.1	BUILDING ELEVATIONS
A-2.2	BUILDING ELEVATIONS & PHOTOS OF EXISTING CONDITIONS

GENERAL NOTES:

1. THESE DRAWINGS HAVE BEEN PREPARED AS A DESIGN/BUILD PROJECT AND INCLUDE THE STRUCTURAL DESIGN AND INCIDENTAL ARCHITECTURE. ANY CIVIL, GEOTECHNICAL, PLUMBING, MECHANICAL (HVAC), SPRINKLER, ELECTRICAL AND ANY OTHER SYSTEM DESIGN IS THE RESPONSIBILITY OF THE RESPECTIVE SUB CONTRACTOR OR CONSULTANT. ANY ENGINEERING REQUIRED BY THE GOVERNING JURISDICTION FOR THESE DISCIPLINES IS THE RESPONSIBILITY OF EACH RESPECTIVE SUB CONTRACTOR OR CONSULTANT.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL CODES AND ORDINANCES, INCLUDING THE AMERICANS WITH DISABILITIES ACT (ADA).
3. ALL WORK PERFORMED SHALL BE OF ACCEPTED INDUSTRY STANDARDS AND PRACTICES GOVERNING THE HIGHEST QUALITY OF WORKMANSHIP.
4. EACH SUB CONTRACTOR IS TO THOROUGHLY REVIEW THESE DRAWINGS AND EVALUATE THE SCOPE OF WORK REQUIRED BY THEIR RESPECTIVE TRADE PRIOR TO THE START OF CONSTRUCTION.
5. THE CONTRACTOR SHALL VERIFY LAYOUT AND DIMENSIONS PRIOR TO THE START OF CONSTRUCTION AND CONSULT WITH THE ENGINEER REGARDING ANY DISCREPANCIES THAT EXIST WITHIN THE CONSTRUCTION DOCUMENTS. ANY AREAS THAT ARE UNCLEAR OR CONFLICTING SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER.
6. ALL EXIT SIGNS AND EMERGENCY LIGHTING ARE TO BE LOCATED AS REQUIRED BY SECTION 1011 OF THE CODE (LAYOUT TO BE INCLUDED IN THE ELECTRICAL DESIGN-BUILD PACKAGE).
7. THE CONTRACTOR SHALL COORDINATE ALL WORK, STOCKING OF MATERIALS, REMOVAL OF DEBRIS, ETC. IN COMPLIANCE WITH LOCAL CODES AND ORDINANCES.
8. THE CONTRACTOR SHALL COORDINATE ALL COLOR SELECTIONS (PAINT, WALL PANELS, ETC.) DIRECTLY WITH THE OWNER.
9. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES AND SEQUENCES OF PROCEDURES TO PERFORM THE WORK.

PROJECT SCOPE:

THE SCOPE INVOLVES A 37,500 SF METAL BUILDING WAREHOUSE ADDITION TO AN EXISTING FACILITY DESIGNED IN DEC. OF 2008. THE ORIGINAL ARCHITECTURAL METAL BUILDING AND STRUCTURAL/FOUNDATION DRAWINGS ARE AVAILABLE.

THE EXISTING BUILDING IS SPRINKLERED AND THE NEW BUILDING WILL BE SPRINKLERED TO MEET THE 'UNLIMITED AREA' PROVISION OF THE BUILDING CODE.

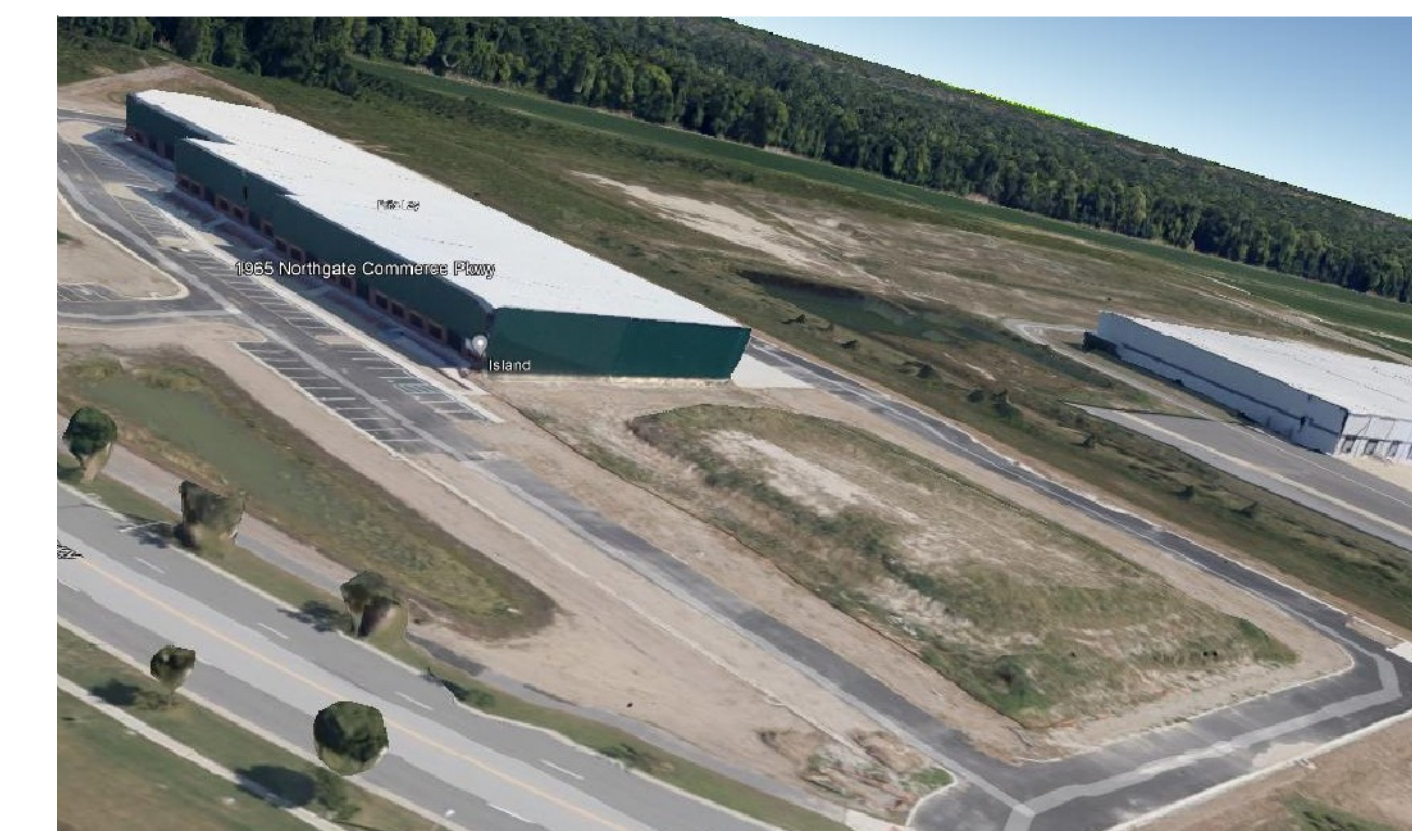
THIS ADDITION WILL CONSIST OF THE 'SHELL', TOILETS WILL BE PROVIDED AS PART OF THE TENANT LEASING AND BUILD OUT.

THE NEW WAREHOUSE SPACE WILL BE SEMI-HEATED, NOT HEATED TO COMFORT LEVEL AND WITHOUT AIR CONDITIONING.

IT IS INTENDED THAT THE EXISTING METAL ENDWALL SYSTEM WILL BE LEFT IN PLACE AS PART OF TENANT SEPARATION.



AERIAL VIEW

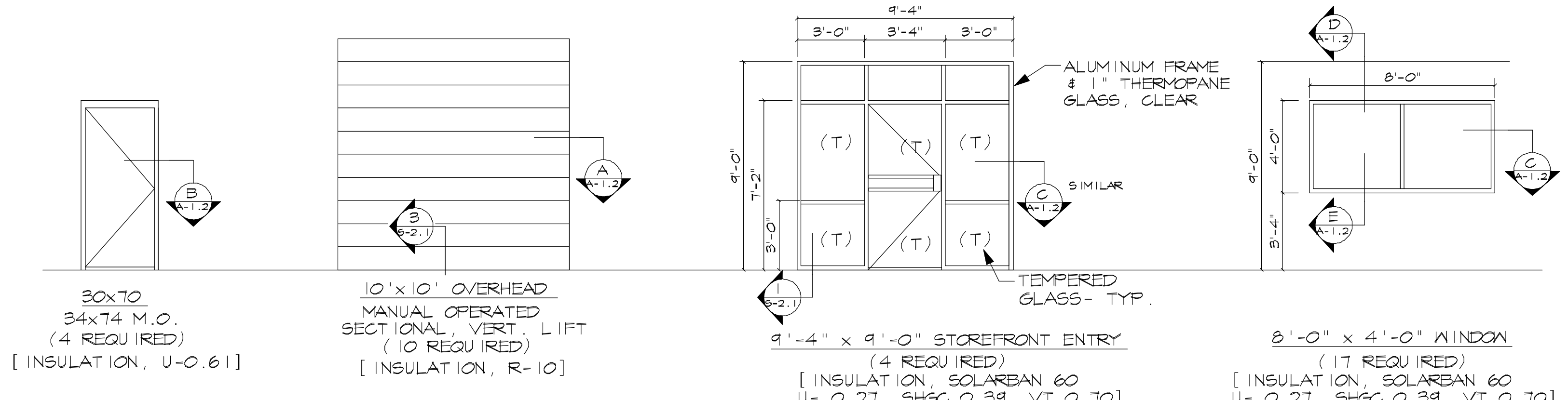


EXISTING BUILDING

SHELL WAREHOUSE BUILDING- PHASE 2
NORTHGATE COMMERCE PARK
 1965 NORTHGATE COMMERCE PARKWAY
 SUFFOLK, VIRGINIA
 TITLE SHEET

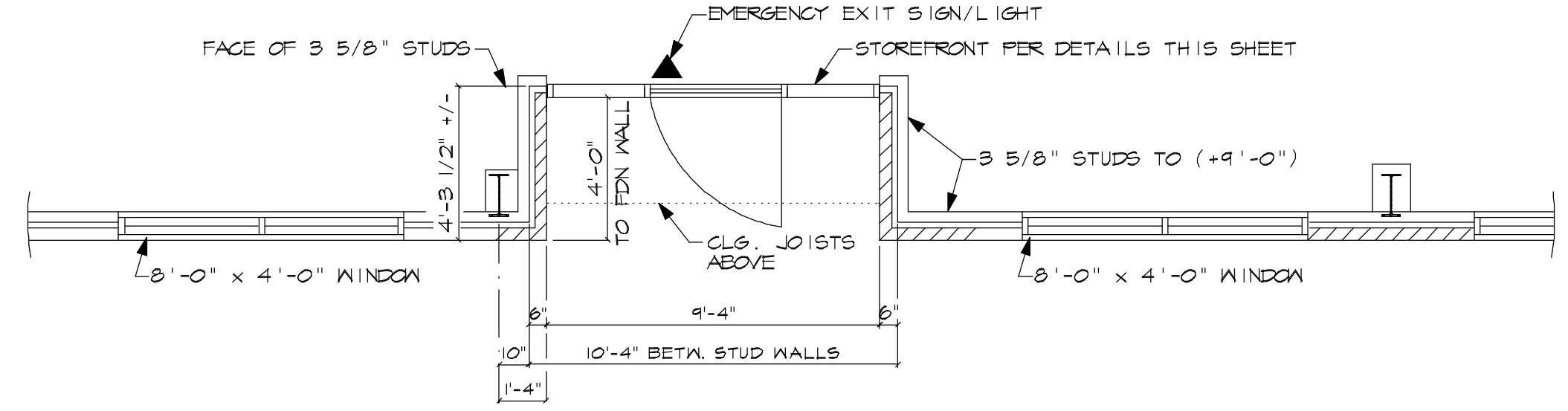
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T-1.1



TYPICAL DOOR TYPES:
SCALE: 1/4" = 1'-0"

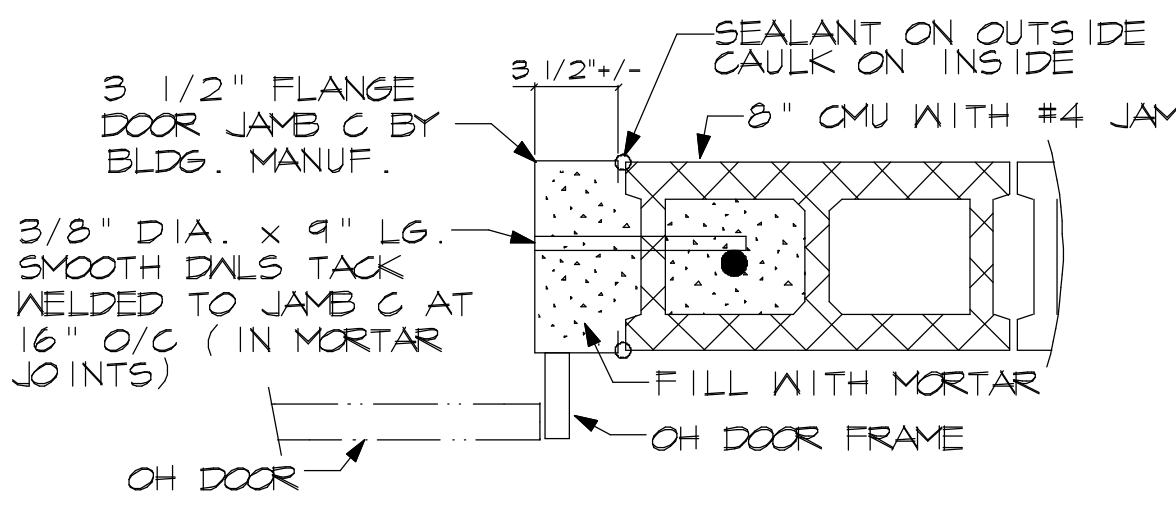
TYPICAL STOREFRONT DOOR AND WINDOW TYPES
SCALE: 1/4" = 1'-0"



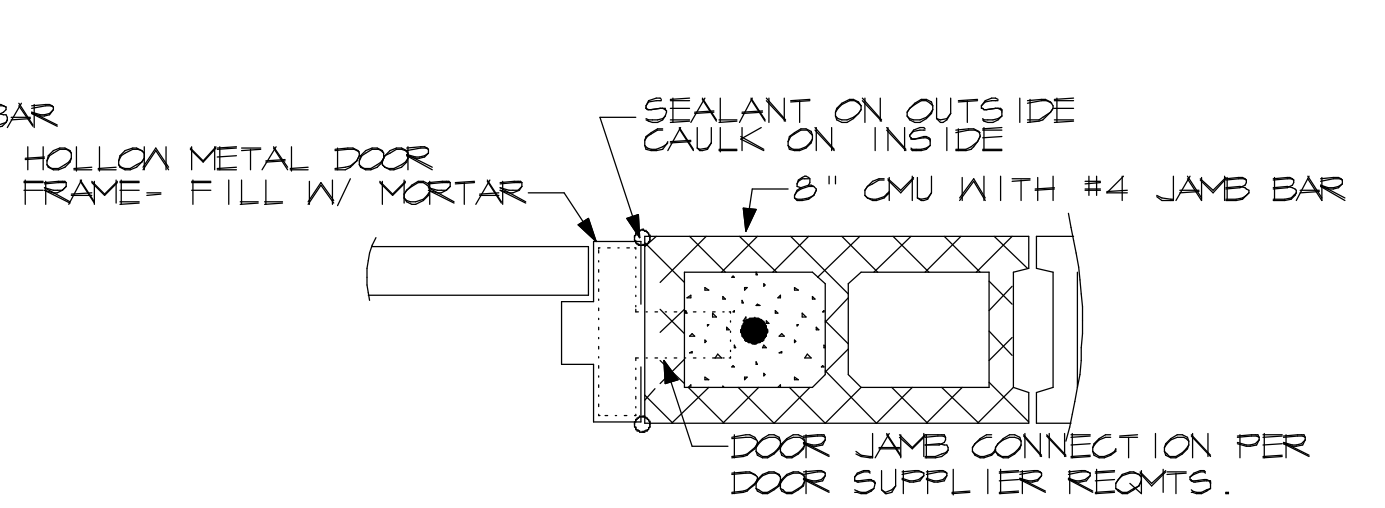
TYPICAL ENLARGED PLAN AT FRONT ENTRY
SCALE: 1/4" = 1'-0"

DOOR SCHEDULE		
DOOR	DOOR SIZE	FRAME
30x70	3'-0" x 7'-0" (INSULATED)	HOLLOW METAL
10'x10' OH	10'-0" x 10'-0" SECTIONAL OH (INSULATED)	STEEL
30x70 ENTRY	3'-0" x 7'-0" ENTRY DOOR AT STOREFRONT	ALUMINUM

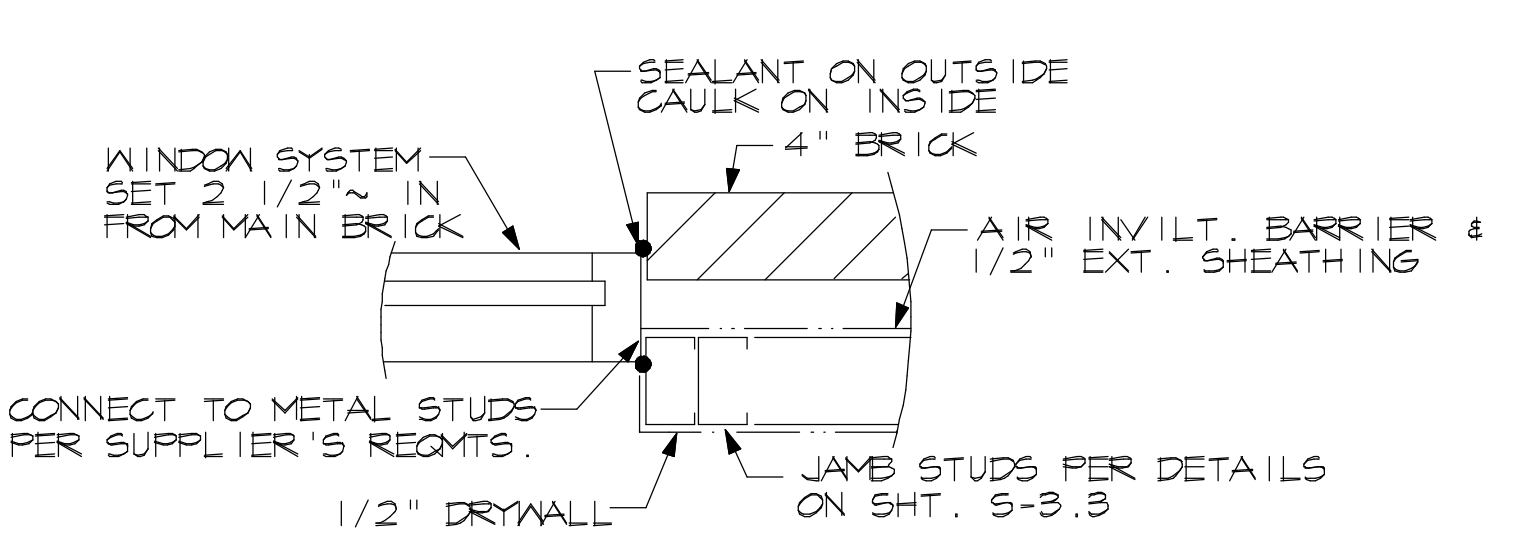
DOOR SCHEDULE NOTES:
1. ALL HINGED DOORS TO HAVE DOOR STOPS.
2. ALL PERSONNEL DOOR HARDWARE TO BE A.D.A. COMPLIANT WITH LEVER TYPE HANDLES.



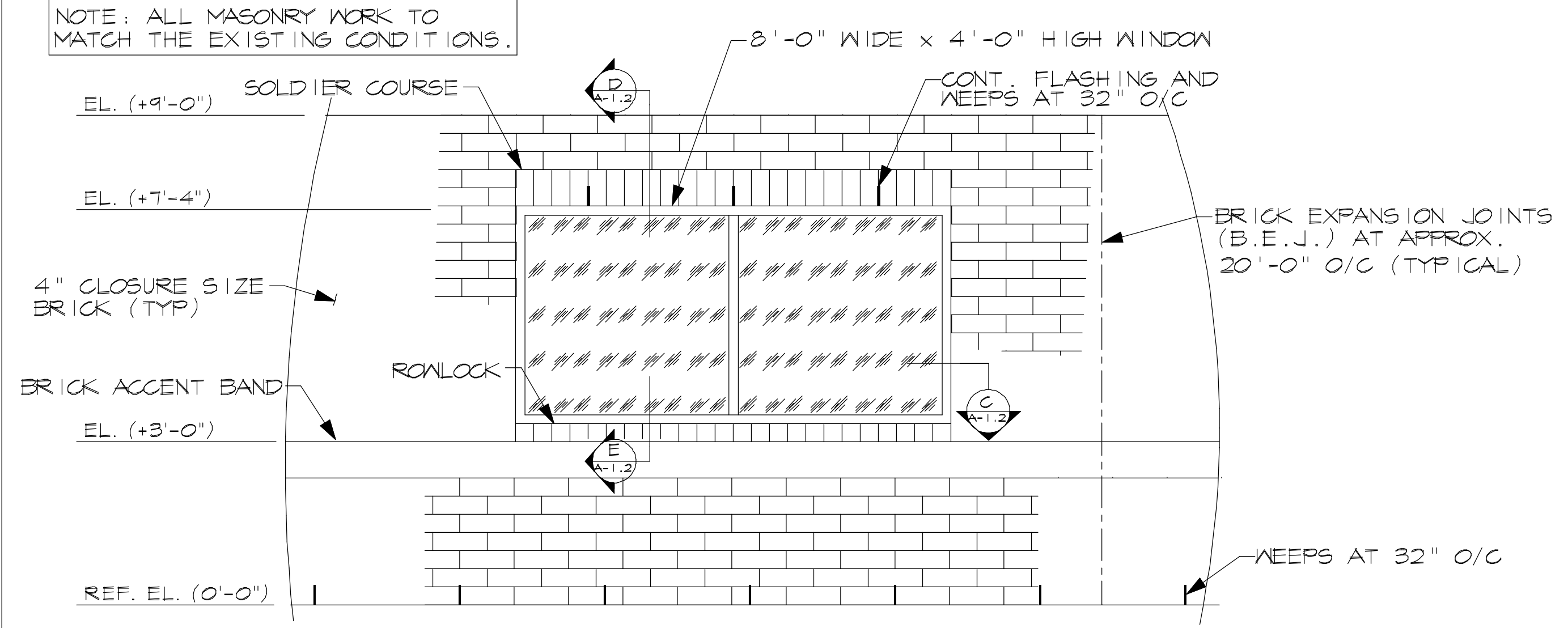
DOOR JAMB DETAIL A
SCALE: 1 1/2" = 1'-0"



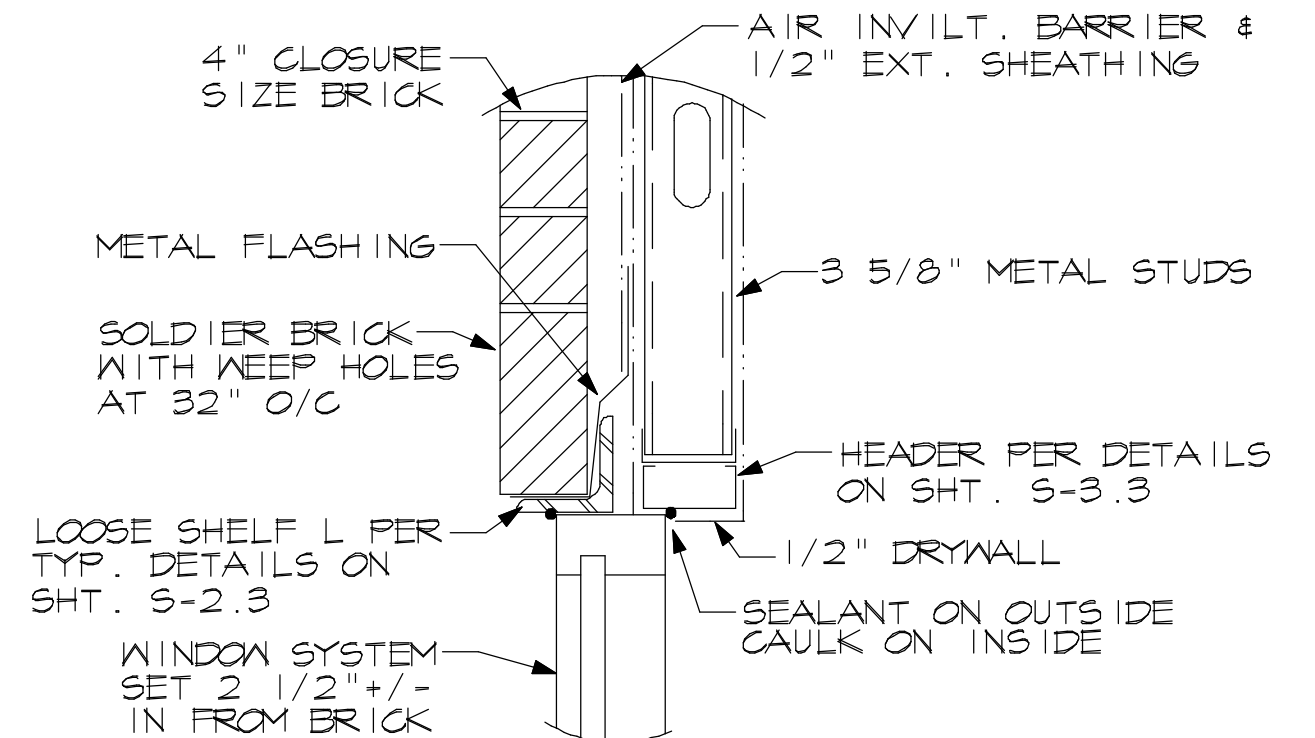
DOOR JAMB DETAIL B
SCALE: 1 1/2" = 1'-0"



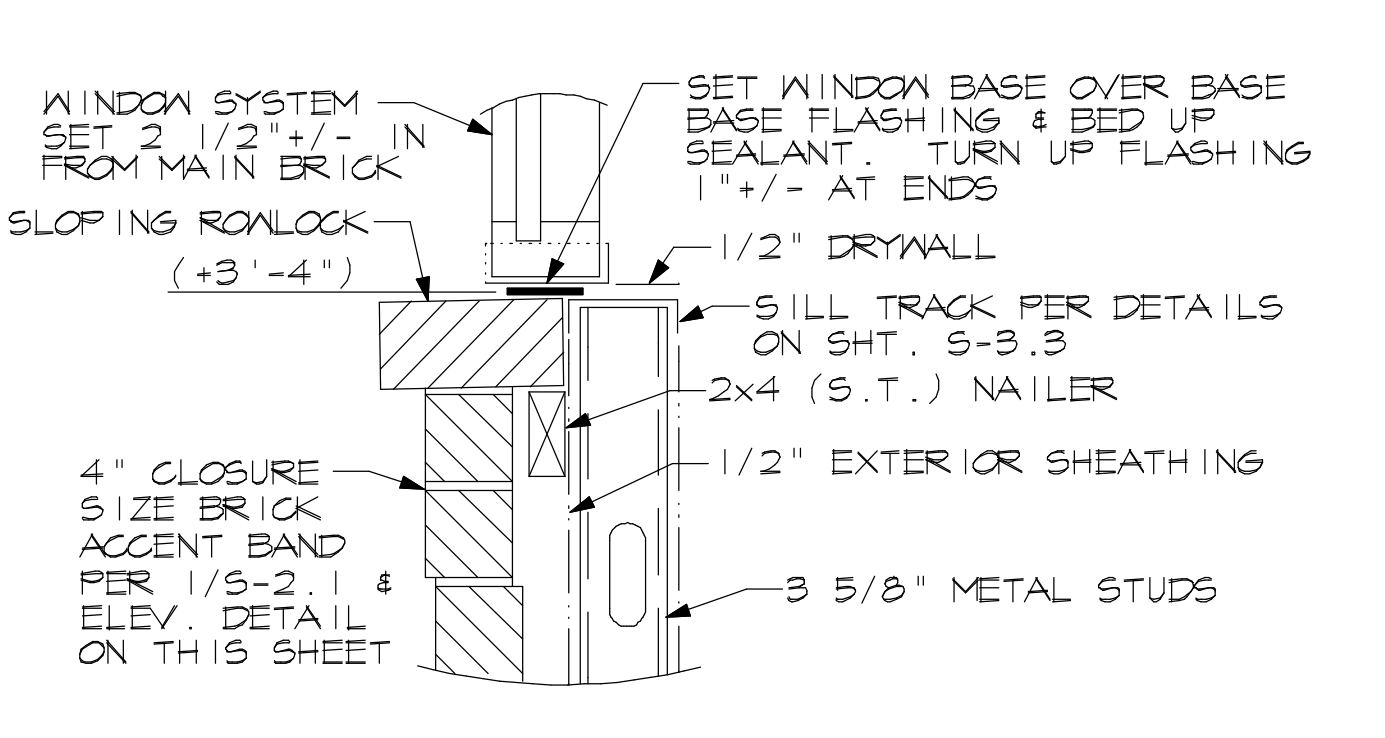
WINDOW JAMB DETAIL C
SCALE: 1 1/2" = 1'-0"



TYPICAL ENLARGED FRONT MASONRY ELEVATION
SCALE: 1/2" = 1'-0"



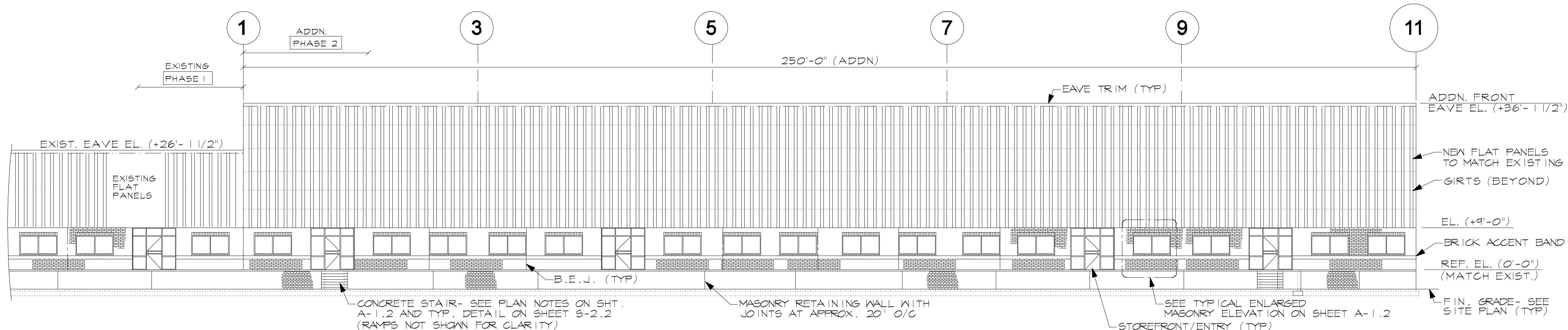
WINDOW HEAD DETAIL D
SCALE: 1 1/2" = 1'-0"



WINDOW SILL DETAIL E
SCALE: 1 1/2" = 1'-0"

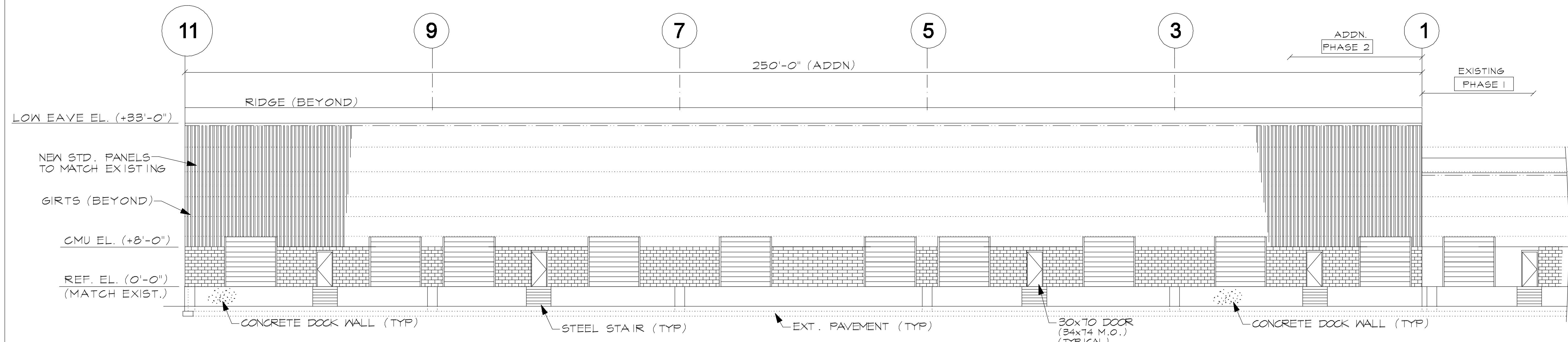
PLAN NOTES: (WORK WITH SHEET A-1.1)
1. ELEVATIONS ARE BASED ON FINISHED FIRST FLOOR REFERENCE ELEVATION (0'-0"), WHICH IS TO MATCH THE EXISTING FLOOR.
2. SEE THE CIVIL DRAWINGS FOR THE EXACT LOCATIONS OF ALL EXTERIOR STAIR SYSTEMS, RAMPS, RETAINING WALLS, ETC.
3. SEE SHEET S-3.1 FOR THE TYPICAL BUILDING SECTIONS.
4. SEE SHEET S-3.2 FOR THE TYPICAL PERIMETER WALL SECTIONS.
5. SEE SHEET S-4.1 AND T-1.1 FOR ADDITIONAL NOTES.
6. VERIFY ALL DIMENSIONS WITH THE FINAL METAL BUILDING DRAWINGS.

PLAN LEGEND: (WORK WITH SHEET A-1.1)
M.O. MASONRY OPENING
U.O.N. UNLESS OTHERWISE NOTED
▲ EMERGENCY EXIT/LIGHT
⊕ METAL BUILDING STRUCTURE LINE
AFF ABOVE FINISHED FLOOR
(+x'-x") ELEVATION ABOVE FINISHED FLOOR
W/DN WINDOW
DN DOWN
SIM SIMILAR



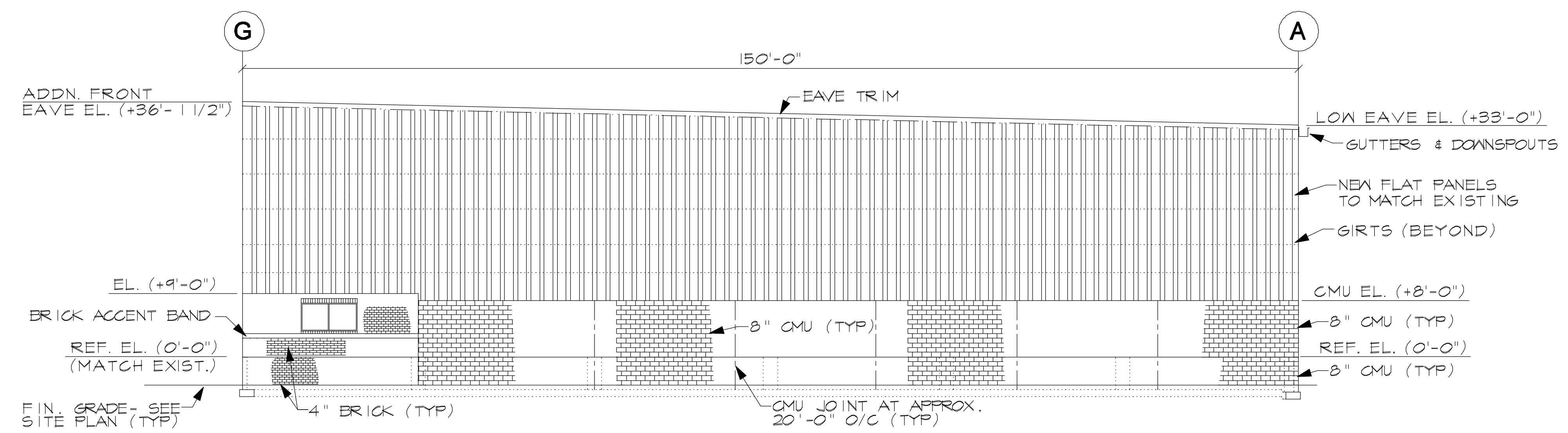
FRONT BUILDING ELEVATION- LINE G

SCALE: 3/32" = 1'-0"



REAR BUILDING ELEVATION- LINE A

SCALE: 3/32" = 1'-0"

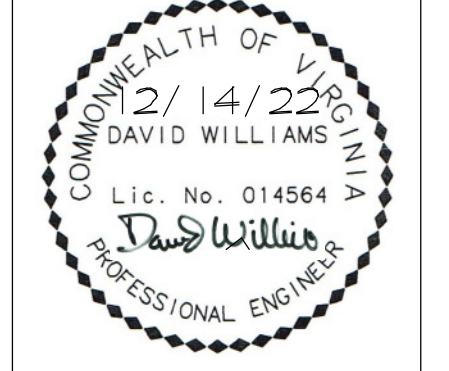


RIGHT SIDE BUILDING ELEVATION- LINE 11

SCALE: 3/32" = 1'-0"

CLP INCUS JR. & CO.
GENERAL CONTRACTORS

WE
WILLIAMS ENGINEERING ASSOCIATES, P.C.
PRE-ENGINEERED METAL BUILDING DESIGN SERVICES
758 SHERATON DRIVE
VA. BEACH, VA 23452
CELL: (757) 717-8396
EMAIL: WILLENGR@AOL.COM
WEBSITE: WWW.WILLENGR.COM



Project: 2230
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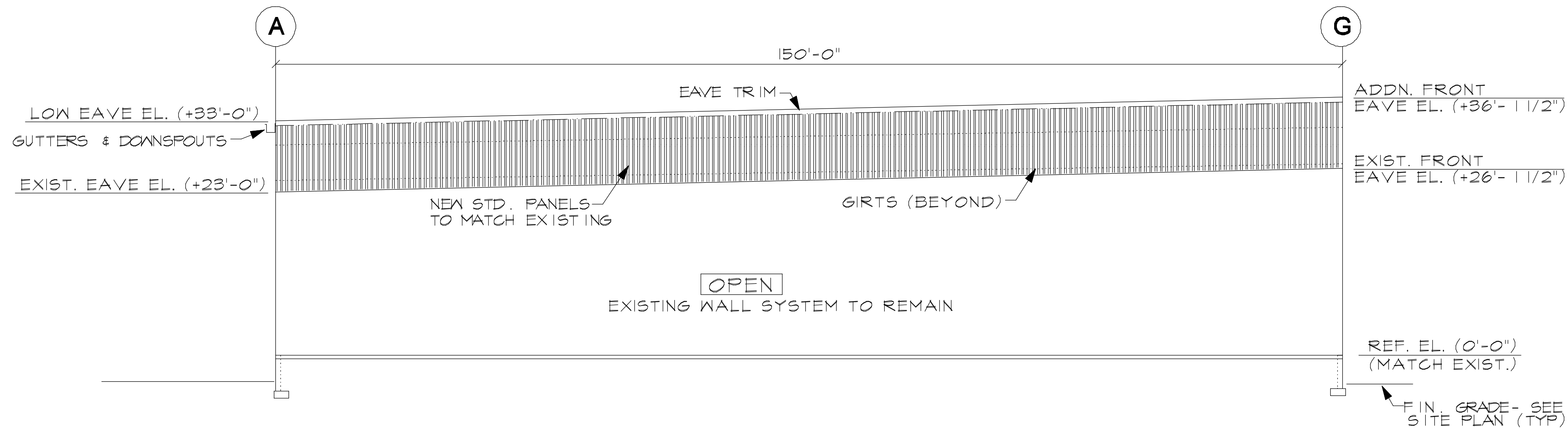
Revisions

Mark	Date
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SHELL WAREHOUSE BUILDING- PHASE 2
NORTHGATE COMMERCE PARK
1965 NORTHGATE COMMERCE PARKWAY
SUFFOLK, VIRGINIA
BUILDING ELEVATIONS

SHEET NO.
A-2.1

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LEFT SIDE BUILDING ELEVATION- LINE 1
 SCALE: 3/32" = 1'-0"



EXIST. ENDWALL AT ADDN.



FRONT LEFT CORNER



FAR ENDWALL

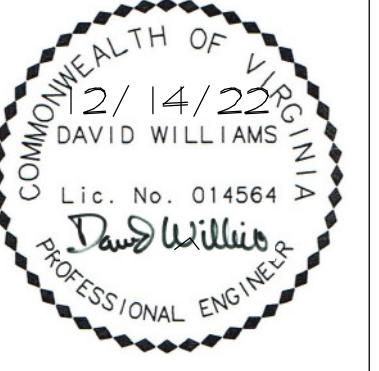


REAR WALL

PHOTOS OF EXISTING CONDITIONS

Revisions

Mark	Date
△	x/x/22

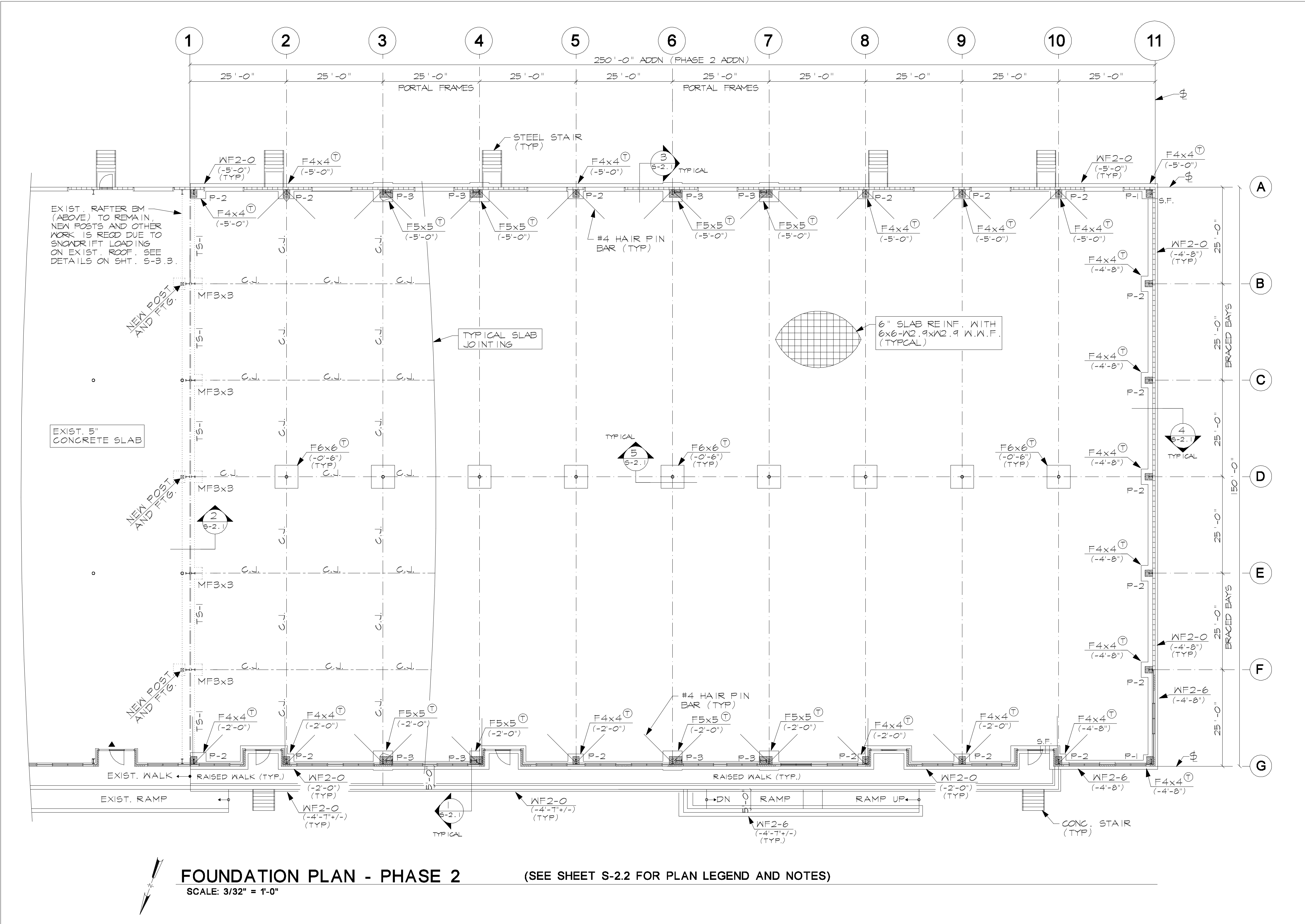


Project: 2230
Drawn: DRW
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△	x/x/22

SHELL WAREHOUSE BUILDING- PHASE 2
NORTHGATE COMMERCE PARK
1965 NORTHGATE COMMERCE PARKWAY
SUFFOLK, VIRGINIA

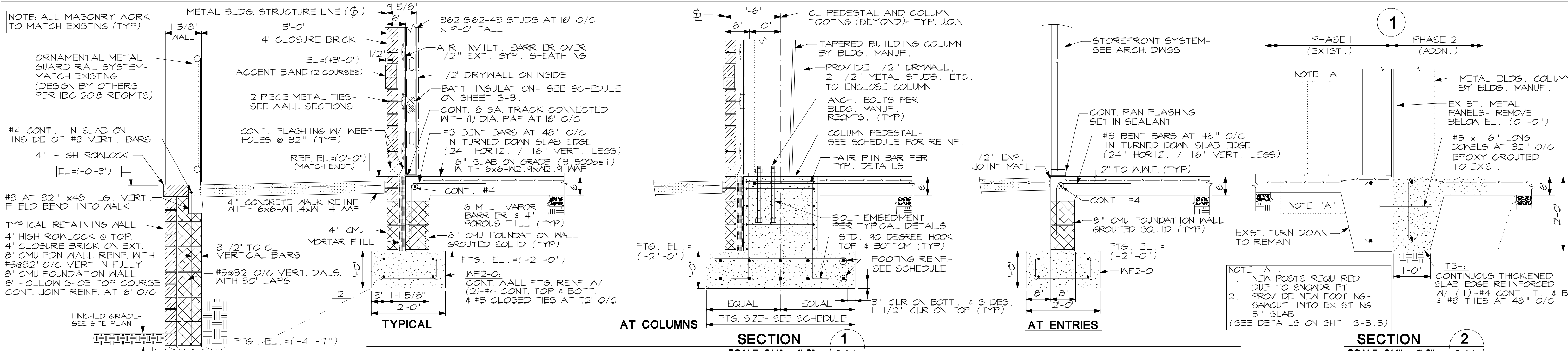
FOUNDATION PLAN- PHASE 2



FOUNDATION PLAN - PHASE 2
SCALE: 3/32" = 1'-0"

(SEE SHEET S-2.2 FOR PLAN LEGEND AND NOTES)

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NOTE: ALL MASONRY WORK TO MATCH EXISTING (TYP)

ORNAMENTAL METAL GUARD RAIL SYSTEM- MATCH EXISTING (DESIGN BY OTHERS PER IBC 2018 REQMTS)

#4 CONT. IN SLAB ON INSIDE OF #3 VERT. BARS
4" HIGH ROYLOCK
EL. = (-0'-3")

#3 AT 32" x 48" LG. VERT. FIELD BEND INTO WALK
TYPICAL RETAINING WALL
4" HIGH ROYLOCK @ TOP
4" CLOSURE BRICK ON EXT.
8" CMU FDN WALL REINF. WITH #5 @ 32" O/C VERT. IN FULLY 8" HOLLOW SHOE TOP COURSE
CONT. JOINT REINF. AT 16" O/C

FINISHED GRADE- SEE SITE PLAN

REF. EL. = (0'-0") (MATCH EXIST.)

#4 AT 72" O/C CMU WALL DWLS. FROM SLAB

#4 CONT. IN SLAB ON INSIDE OF #3 VERT. BARS

8" CONCRETE WALL REINFORCED W/ #4 CONT. HORIZ. AT 12" O/C & #4 CONT. VERT. AT 16" O/C

CENTER VERT. BARS IN 8" WALL

#4 DWLS AT 16" O/C WITH 24" MIN. LAPS

EXTERIOR CONC. - SEE SITE PLAN

TOP OF FTG. EL. = (-5'-0")

WF2-0

8" CMU TO (+8'-0") PER TYP. WALL SECTIONS SHT. S-3.2

#3 AT 32" x 48" LG. VERT. FIELD BEND INTO SLAB

#4 AT 72" O/C CONT. VERTICAL

REF. EL. = (0'-0") (MATCH EXIST.)

CONT. JOINT REINF. AT 16" O/C STOP AT WALL CONTROL JTS.

METAL BLDG. STRUCTURE LINE (⊥)
5'-0"
5/8" WALL
4" CLOSURE BRICK
ACCENT BAND (2 COURSES)
EL. = (+3'-0")
1/2"
AIR INVILT. BARRIER OVER 1/2" EXT. GYP. SHEATHING
1/2" DRYWALL ON INSIDE
BATT INSULATION- SEE SCHEDULE ON SHEET S-3.1
CONT. 18 GA. TRACK CONNECTED WITH (1) DIA. PAF AT 16" O/C
#3 BENT BARS AT 48" O/C IN TURNED DOWN SLAB EDGE (24" HORIZ. / 16" VERT. LEGS)
6" SLAB ON GRADE (3 SCOPES) WITH 6x6-A2.4x12.9 WAF
CONT. #4
6 MIL. VAPOR BARRIER & 4" FIBROUS FILL (TYP)
8" CMU FOUNDATION WALL GROUTED SOLID (TYP)
FTG. EL. = (-2'-0")
WF2-0
CONT. WALL FTG. REINF. W/ (2)-#4 CONT. TOP & BOTT. & #3 CLOSED TIES AT 72" O/C

4" CONCRETE WALK REINF. WITH 6x6-W1.4x11.4 WAF
3 1/2" TO CL VERTICAL BARS
#5 @ 32" O/C VERT. DWLS. WITH 30" LAPS
4" CMU FILL
4" MORTAR FILL
CONT. #4
6" SLAB ON GRADE (3 SCOPES) WITH 6x6-A2.4x12.9 WAF
CONT. #4
8" CMU FOUNDATION WALL GROUTED SOLID (TYP)
FTG. EL. = (-2'-0")
WF2-0
CONT. WALL FTG. REINF. W/ (2)-#4 CONT. TOP & BOTT. & #3 CLOSED TIES AT 72" O/C

FINISHED GRADE- SEE SITE PLAN

REF. EL. = (0'-0") (MATCH EXIST.)

#4 AT 72" O/C CMU WALL DWLS. FROM SLAB

#4 CONT. IN SLAB ON INSIDE OF #3 VERT. BARS

8" CONCRETE WALL REINFORCED W/ #4 CONT. HORIZ. AT 12" O/C & #4 CONT. VERT. AT 16" O/C

CENTER VERT. BARS IN 8" WALL

#4 DWLS AT 16" O/C WITH 24" MIN. LAPS

EXTERIOR CONC. - SEE SITE PLAN

TOP OF FTG. EL. = (-5'-0")

WF2-0

8" CMU TO (+8'-0") PER TYP. WALL SECTIONS SHT. S-3.2

#3 AT 32" x 48" LG. VERT. FIELD BEND INTO SLAB

#4 AT 72" O/C CONT. VERTICAL

REF. EL. = (0'-0") (MATCH EXIST.)

METAL BLDG. STRUCTURE LINE (⊥)
5'-0"
5/8" WALL
4" CLOSURE BRICK
ACCENT BAND (2 COURSES)
EL. = (+3'-0")
1/2"
AIR INVILT. BARRIER OVER 1/2" EXT. GYP. SHEATHING
1/2" DRYWALL ON INSIDE
BATT INSULATION- SEE SCHEDULE ON SHEET S-3.1
CONT. 18 GA. TRACK CONNECTED WITH (1) DIA. PAF AT 16" O/C
#3 BENT BARS AT 48" O/C IN TURNED DOWN SLAB EDGE (24" HORIZ. / 16" VERT. LEGS)
6" SLAB ON GRADE (3 SCOPES) WITH 6x6-A2.4x12.9 WAF
CONT. #4
6 MIL. VAPOR BARRIER & 4" FIBROUS FILL (TYP)
8" CMU FOUNDATION WALL GROUTED SOLID (TYP)
FTG. EL. = (-2'-0")
WF2-0
CONT. WALL FTG. REINF. W/ (2)-#4 CONT. TOP & BOTT. & #3 CLOSED TIES AT 72" O/C

4" CONCRETE WALK REINF. WITH 6x6-W1.4x11.4 WAF
3 1/2" TO CL VERTICAL BARS
#5 @ 32" O/C VERT. DWLS. WITH 30" LAPS
4" CMU FILL
4" MORTAR FILL
CONT. #4
6" SLAB ON GRADE (3 SCOPES) WITH 6x6-A2.4x12.9 WAF
CONT. #4
8" CMU FOUNDATION WALL GROUTED SOLID (TYP)
FTG. EL. = (-2'-0")
WF2-0
CONT. WALL FTG. REINF. W/ (2)-#4 CONT. TOP & BOTT. & #3 CLOSED TIES AT 72" O/C

FINISHED GRADE- SEE SITE PLAN

REF. EL. = (0'-0") (MATCH EXIST.)

#4 AT 72" O/C CMU WALL DWLS. FROM SLAB

#4 CONT. IN SLAB ON INSIDE OF #3 VERT. BARS

8" CONCRETE WALL REINFORCED W/ #4 CONT. HORIZ. AT 12" O/C & #4 CONT. VERT. AT 16" O/C

CENTER VERT. BARS IN 8" WALL

#4 DWLS AT 16" O/C WITH 24" MIN. LAPS

EXTERIOR CONC. - SEE SITE PLAN

TOP OF FTG. EL. = (-5'-0")

WF2-0

8" CMU TO (+8'-0") PER TYP. WALL SECTIONS SHT. S-3.2

#3 AT 32" x 48" LG. VERT. FIELD BEND INTO SLAB

#4 AT 72" O/C CONT. VERTICAL

REF. EL. = (0'-0") (MATCH EXIST.)

METAL BLDG. STRUCTURE LINE (⊥)
5'-0"
5/8" WALL
4" CLOSURE BRICK
ACCENT BAND (2 COURSES)
EL. = (+3'-0")
1/2"
AIR INVILT. BARRIER OVER 1/2" EXT. GYP. SHEATHING
1/2" DRYWALL ON INSIDE
BATT INSULATION- SEE SCHEDULE ON SHEET S-3.1
CONT. 18 GA. TRACK CONNECTED WITH (1) DIA. PAF AT 16" O/C
#3 BENT BARS AT 48" O/C IN TURNED DOWN SLAB EDGE (24" HORIZ. / 16" VERT. LEGS)
6" SLAB ON GRADE (3 SCOPES) WITH 6x6-A2.4x12.9 WAF
CONT. #4
6 MIL. VAPOR BARRIER & 4" FIBROUS FILL (TYP)
8" CMU FOUNDATION WALL GROUTED SOLID (TYP)
FTG. EL. = (-2'-0")
WF2-0
CONT. WALL FTG. REINF. W/ (2)-#4 CONT. TOP & BOTT. & #3 CLOSED TIES AT 72" O/C

4" CONCRETE WALK REINF. WITH 6x6-W1.4x11.4 WAF
3 1/2" TO CL VERTICAL BARS
#5 @ 32" O/C VERT. DWLS. WITH 30" LAPS
4" CMU FILL
4" MORTAR FILL
CONT. #4
6" SLAB ON GRADE (3 SCOPES) WITH 6x6-A2.4x12.9 WAF
CONT. #4
8" CMU FOUNDATION WALL GROUTED SOLID (TYP)
FTG. EL. = (-2'-0")
WF2-0
CONT. WALL FTG. REINF. W/ (2)-#4 CONT. TOP & BOTT. & #3 CLOSED TIES AT 72" O/C

FINISHED GRADE- SEE SITE PLAN

REF. EL. = (0'-0") (MATCH EXIST.)

#4 AT 72" O/C CMU WALL DWLS. FROM SLAB

#4 CONT. IN SLAB ON INSIDE OF #3 VERT. BARS

8" CONCRETE WALL REINFORCED W/ #4 CONT. HORIZ. AT 12" O/C & #4 CONT. VERT. AT 16" O/C

CENTER VERT. BARS IN 8" WALL

#4 DWLS AT 16" O/C WITH 24" MIN. LAPS

EXTERIOR CONC. - SEE SITE PLAN

TOP OF FTG. EL. = (-5'-0")

WF2-0

8" CMU TO (+8'-0") PER TYP. WALL SECTIONS SHT. S-3.2

#3 AT 32" x 48" LG. VERT. FIELD BEND INTO SLAB

#4 AT 72" O/C CONT. VERTICAL

REF. EL. = (0'-0") (MATCH EXIST.)

METAL BLDG. STRUCTURE LINE (⊥)
5'-0"
5/8" WALL
4" CLOSURE BRICK
ACCENT BAND (2 COURSES)
EL. = (+3'-0")
1/2"
AIR INVILT. BARRIER OVER 1/2" EXT. GYP. SHEATHING
1/2" DRYWALL ON INSIDE
BATT INSULATION- SEE SCHEDULE ON SHEET S-3.1
CONT. 18 GA. TRACK CONNECTED WITH (1) DIA. PAF AT 16" O/C
#3 BENT BARS AT 48" O/C IN TURNED DOWN SLAB EDGE (24" HORIZ. / 16" VERT. LEGS)
6" SLAB ON GRADE (3 SCOPES) WITH 6x6-A2.4x12.9 WAF
CONT. #4
6 MIL. VAPOR BARRIER & 4" FIBROUS FILL (TYP)
8" CMU FOUNDATION WALL GROUTED SOLID (TYP)
FTG. EL. = (-2'-0")
WF2-0
CONT. WALL FTG. REINF. W/ (2)-#4 CONT. TOP & BOTT. & #3 CLOSED TIES AT 72" O/C

4" CONCRETE WALK REINF. WITH 6x6-W1.4x11.4 WAF
3 1/2" TO CL VERTICAL BARS
#5 @ 32" O/C VERT. DWLS. WITH 30" LAPS
4" CMU FILL
4" MORTAR FILL
CONT. #4
6" SLAB ON GRADE (3 SCOPES) WITH 6x6-A2.4x12.9 WAF
CONT. #4
8" CMU FOUNDATION WALL GROUTED SOLID (TYP)
FTG. EL. = (-2'-0")
WF2-0
CONT. WALL FTG. REINF. W/ (2)-#4 CONT. TOP & BOTT. & #3 CLOSED TIES AT 72" O/C

FINISHED GRADE- SEE SITE PLAN

REF. EL. = (0'-0") (MATCH EXIST.)

#4 AT 72" O/C CMU WALL DWLS. FROM SLAB

#4 CONT. IN SLAB ON INSIDE OF #3 VERT. BARS

8" CONCRETE WALL REINFORCED W/ #4 CONT. HORIZ. AT 12" O/C & #4 CONT. VERT. AT 16" O/C

CENTER VERT. BARS IN 8" WALL

#4 DWLS AT 16" O/C WITH 24" MIN. LAPS

EXTERIOR CONC. - SEE SITE PLAN

TOP OF FTG. EL. = (-5'-0")

WF2-0

8" CMU TO (+8'-0") PER TYP. WALL SECTIONS SHT. S-3.2

#3 AT 32" x 48" LG. VERT. FIELD BEND INTO SLAB

#4 AT 72" O/C CONT. VERTICAL

REF. EL. = (0'-0") (MATCH EXIST.)

METAL BLDG. STRUCTURE LINE (⊥)
5'-0"
5/8" WALL
4" CLOSURE BRICK
ACCENT BAND (2 COURSES)
EL. = (+3'-0")
1/2"
AIR INVILT. BARRIER OVER 1/2" EXT. GYP. SHEATHING
1/2" DRYWALL ON INSIDE
BATT INSULATION- SEE SCHEDULE ON SHEET S-3.1
CONT. 18 GA. TRACK CONNECTED WITH (1) DIA. PAF AT 16" O/C
#3 BENT BARS AT 48" O/C IN TURNED DOWN SLAB EDGE (24" HORIZ. / 16" VERT. LEGS)
6" SLAB ON GRADE (3 SCOPES) WITH 6x6-A2.4x12.9 WAF
CONT. #4
6 MIL. VAPOR BARRIER & 4" FIBROUS FILL (TYP)
8" CMU FOUNDATION WALL GROUTED SOLID (TYP)
FTG. EL. = (-2'-0")
WF2-0
CONT. WALL FTG. REINF. W/ (2)-#4 CONT. TOP & BOTT. & #3 CLOSED TIES AT 72" O/C

4" CONCRETE WALK REINF. WITH 6x6-W1.4x11.4 WAF
3 1/2" TO CL VERTICAL BARS
#5 @ 32" O/C VERT. DWLS. WITH 30" LAPS
4" CMU FILL
4" MORTAR FILL
CONT. #4
6" SLAB ON GRADE (3 SCOPES) WITH 6x6-A2.4x12.9 WAF
CONT. #4
8" CMU FOUNDATION WALL GROUTED SOLID (TYP)
FTG. EL. = (-2'-0")
WF2-0
CONT. WALL FTG. REINF. W/ (2)-#4 CONT. TOP & BOTT. & #3 CLOSED TIES AT 72" O/C

FINISHED GRADE- SEE SITE PLAN

REF. EL. = (0'-0") (MATCH EXIST.)

#4 AT 72" O/C CMU WALL DWLS. FROM SLAB

#4 CONT. IN SLAB ON INSIDE OF #3 VERT. BARS

8" CONCRETE WALL REINFORCED W/ #4 CONT. HORIZ. AT 12" O/C & #4 CONT. VERT. AT 16" O/C

CENTER VERT. BARS IN 8" WALL

#4 DWLS AT 16" O/C WITH 24" MIN. LAPS

EXTERIOR CONC. - SEE SITE PLAN

TOP OF FTG. EL. = (-5'-0")

WF2-0

8" CMU TO (+8'-0") PER TYP. WALL SECTIONS SHT. S-3.2

#3 AT 32" x 48" LG. VERT. FIELD BEND INTO SLAB

#4 AT 72" O/C CONT. VERTICAL

REF. EL. = (0'-0") (MATCH EXIST.)

METAL BLDG. STRUCTURE LINE (⊥)
5'-0"
5/8" WALL
4" CLOSURE BRICK
ACCENT BAND (2 COURSES)
EL. = (+3'-0")
1/2"
AIR INVILT. BARRIER OVER 1/2" EXT. GYP. SHEATHING
1/2" DRYWALL ON INSIDE
BATT INSULATION- SEE SCHEDULE ON SHEET S-3.1
CONT. 18 GA. TRACK CONNECTED WITH (1) DIA. PAF AT 16" O/C
#3 BENT BARS AT 48" O/C IN TURNED DOWN SLAB EDGE (24" HORIZ. / 16" VERT. LEGS)
6" SLAB ON GRADE (3 SCOPES) WITH 6x6-A2.4x12.9 WAF
CONT. #4
6 MIL. VAPOR BARRIER & 4" FIBROUS FILL (TYP)
8" CMU FOUNDATION WALL GROUTED SOLID (TYP)
FTG. EL. = (-2'-0")
WF2-0
CONT. WALL FTG. REINF. W/ (2)-#4 CONT. TOP & BOTT. & #3 CLOSED TIES AT 72" O/C

4" CONCRETE WALK REINF. WITH 6x6-W1.4x11.4 WAF
3 1/2" TO CL VERTICAL BARS
#5 @ 32" O/C VERT. DWLS. WITH 30" LAPS
4" CMU FILL
4" MORTAR FILL
CONT. #4
6" SLAB ON GRADE (3 SCOPES) WITH 6x6-A2.4x12.9 WAF
CONT. #4
8" CMU FOUNDATION WALL GROUTED SOLID (TYP)
FTG. EL. = (-2'-0")
WF2-0
CONT. WALL FTG. REINF. W/ (2)-#4 CONT. TOP & BOTT. & #3 CLOSED TIES AT 72" O/C

FINISHED GRADE- SEE SITE PLAN

REF. EL. = (0'-0") (MATCH EXIST.)

#4 AT 72" O/C CMU WALL DWLS. FROM SLAB

#4 CONT. IN SLAB ON INSIDE OF #3 VERT. BARS

8" CONCRETE WALL REINFORCED W/ #4 CONT. HORIZ. AT 12" O/C & #4 CONT. VERT. AT 16" O/C

CENTER VERT. BARS IN 8" WALL

#4 DWLS AT 16" O/C WITH 24" MIN. LAPS

EXTERIOR CONC. - SEE SITE PLAN

TOP OF FTG. EL. = (-5'-0")

WF2-0

8" CMU TO (+8'-0") PER TYP. WALL SECTIONS SHT. S-3.2

#3 AT 32" x 48" LG. VERT. FIELD BEND INTO SLAB

#4 AT 72" O/C CONT. VERTICAL

REF. EL. = (0'-0") (MATCH EXIST.)

METAL BLDG. STRUCTURE LINE (⊥)
5'-0"
5/8" WALL
4" CLOSURE BRICK
ACCENT BAND (2 COURSES)
EL. = (+3'-0")
1/2"
AIR INVILT. BARRIER OVER 1/2" EXT. GYP. SHEATHING
1/2" DRYWALL ON INSIDE
BATT INSULATION- SEE SCHEDULE ON SHEET S-3.1
CONT. 18 GA. TRACK CONNECTED WITH (1) DIA. PAF AT 16" O/C
#3 BENT BARS AT 48" O/C IN TURNED DOWN SLAB EDGE (24" HORIZ. / 16" VERT. LEGS)
6" SLAB ON GRADE (3 SCOPES) WITH 6x6-A2.4x12.9 WAF
CONT. #4
6 MIL. VAPOR BARRIER & 4" FIBROUS FILL (TYP)
8" CMU FOUNDATION WALL GROUTED SOLID (TYP)
FTG. EL. = (-2'-0")
WF2-0
CONT. WALL FTG. REINF. W/ (2)-#4 CONT. TOP & BOTT. & #3 CLOSED TIES AT 72" O/C

4" CONCRETE WALK REINF. WITH 6x6-W1.4x11.4 WAF
3 1/2" TO CL VERTICAL BARS
#5 @ 32" O/C VERT. DWLS. WITH 30" LAPS
4" CMU FILL
4" MORTAR FILL
CONT. #4
6" SLAB ON GRADE (3 SCOPES) WITH 6x6-A2.4x12.9 WAF
CONT. #4
8" CMU FOUNDATION WALL GROUTED SOLID (TYP)
FTG. EL. = (-2'-0")
WF2-0
CONT. WALL FTG. REINF. W/ (2)-#4 CONT. TOP & BOTT. & #3 CLOSED TIES AT 72" O/C

FINISHED GRADE- SEE SITE PLAN

REF. EL. = (0'-0") (MATCH EXIST.)

#4 AT 72" O/C CMU WALL DWLS. FROM SLAB

#4 CONT. IN SLAB ON INSIDE OF #3 VERT. BARS

8" CONCRETE WALL REINFORCED W/ #4 CONT. HORIZ. AT 12" O/C & #4 CONT. VERT. AT 16" O/C

CENTER VERT. BARS IN 8" WALL

#4 DWLS AT 16" O/C WITH 24" MIN. LAPS

EXTERIOR CONC. - SEE SITE PLAN

TOP OF FTG. EL. = (-5'-0")

WF2-0

8" CMU TO (+8'-0") PER TYP. WALL SECTIONS SHT. S-3.2

#3 AT 32" x 48" LG. VERT. FIELD BEND INTO SLAB

#4 AT 72" O/C CONT. VERTICAL

REF. EL. = (0'-0") (MATCH EXIST.)

CLP INCUS JR. & CO.
GENERAL CONTRACTORS

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COMMONWEALTH OF VIRGINIA
2/14/2022
DAVID WILLIAMS
Lic. No. 014564
PROFESSIONAL ENGINEER

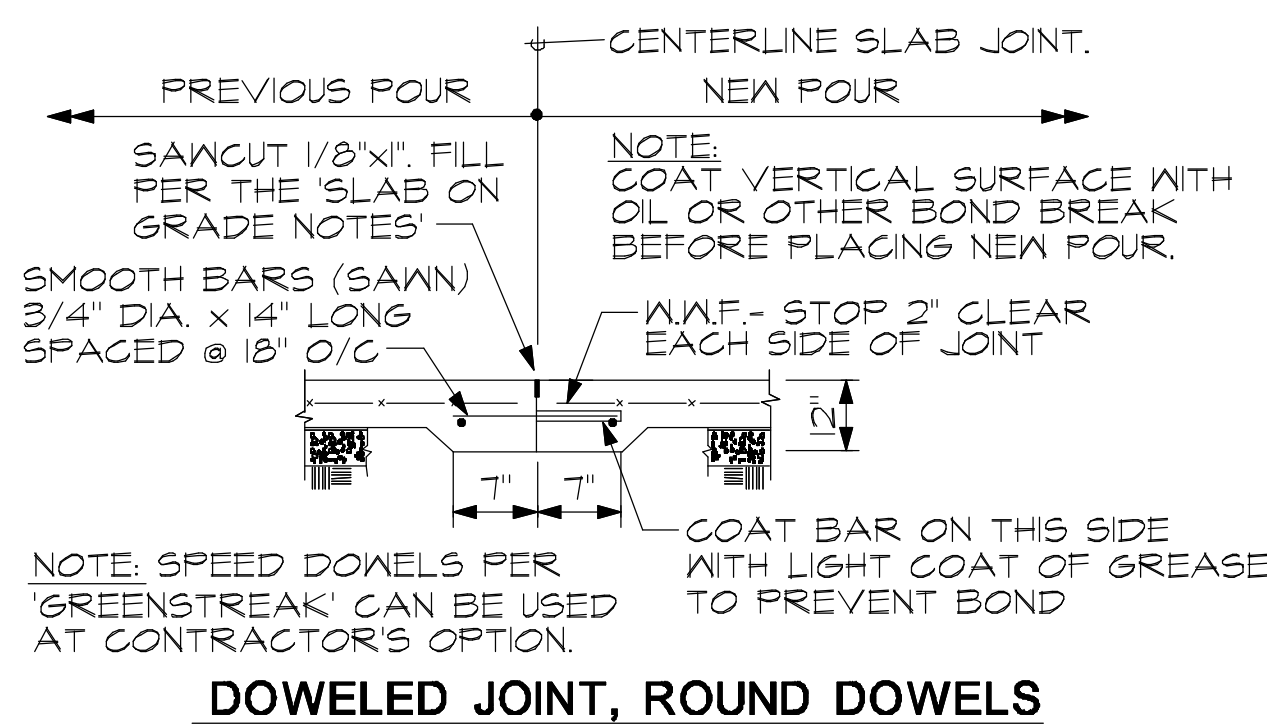
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Drawn: DRW
Checked: DRW
Date: 12/14/22

Revisions	
Mark	Date
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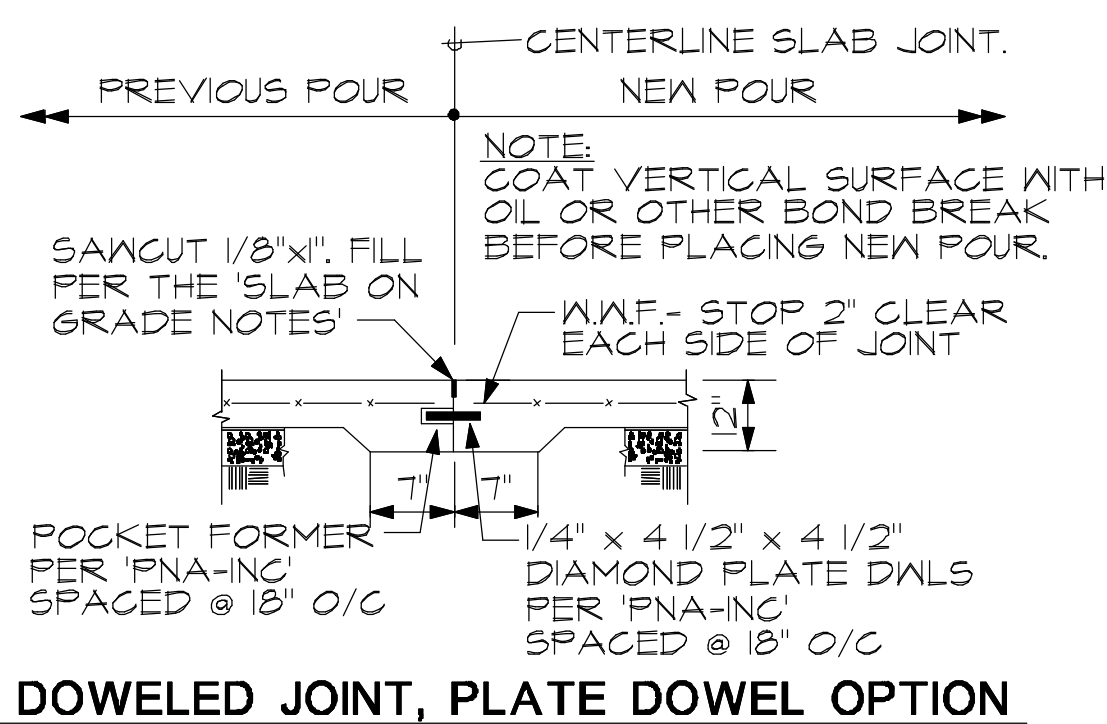
SHELL WAREHOUSE BUILDING- PHASE 2
NORTHGATE COMMERCE PARK
1965 NORTHGATE COMMERCE PARKWAY
SUFFOLK, VIRGINIA

SECTIONS AND DETAILS

SHEET NO. **S-2.1**

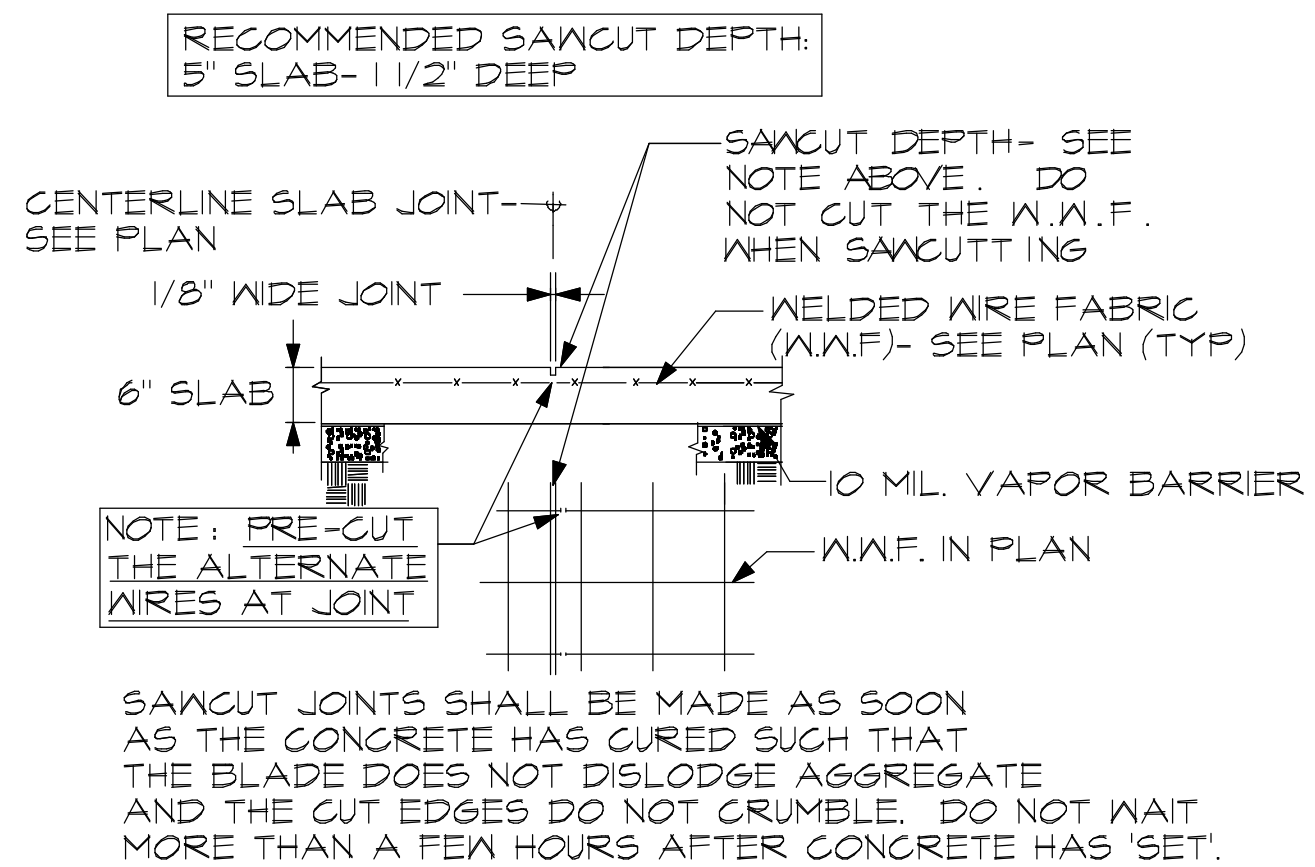


DOWELED JOINT, ROUND DOWELS

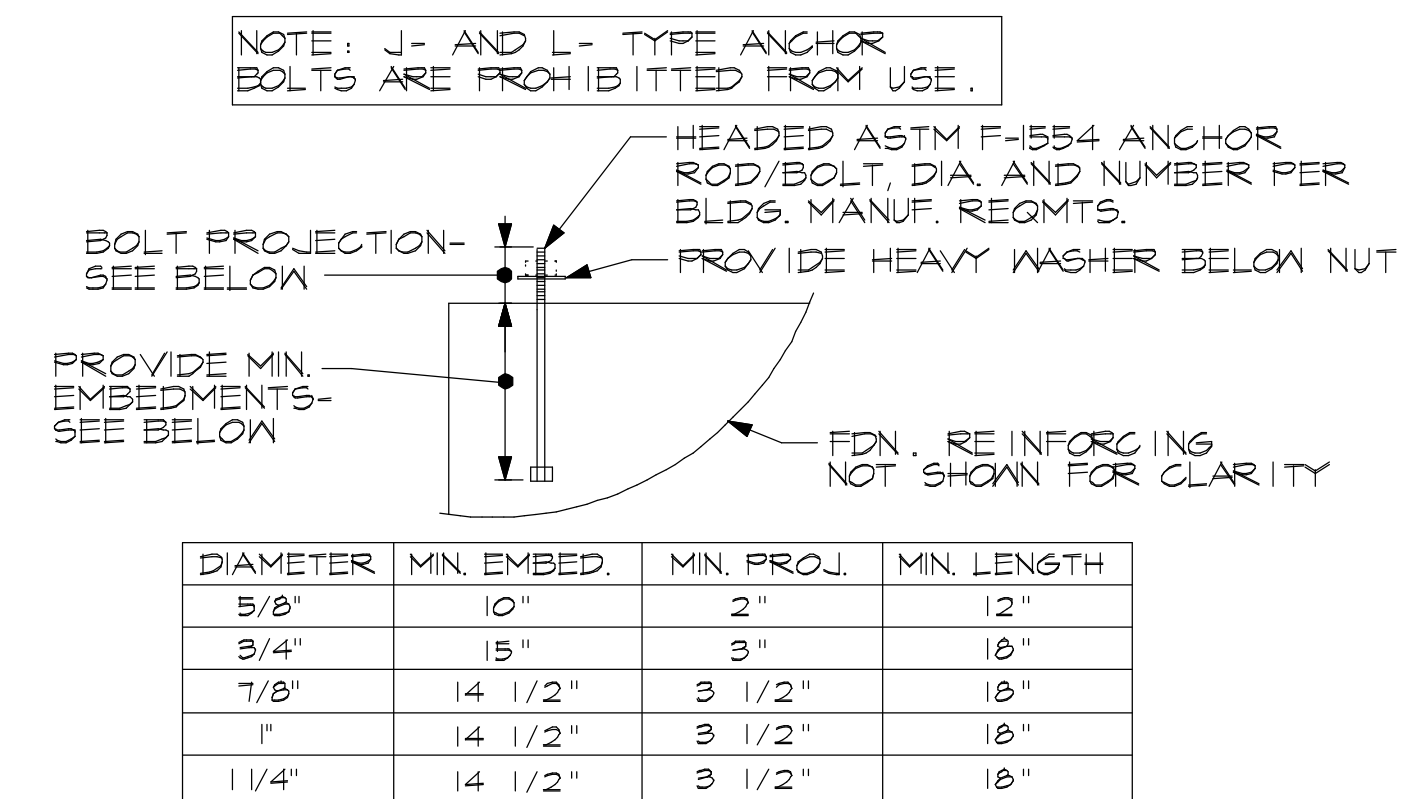


DOWELED JOINT, PLATE DOWEL OPTION

TYPICAL SLAB CONSTRUCTION JOINT DETAILS
NOT TO SCALE (DENOTED D.C.J. ON PLAN)



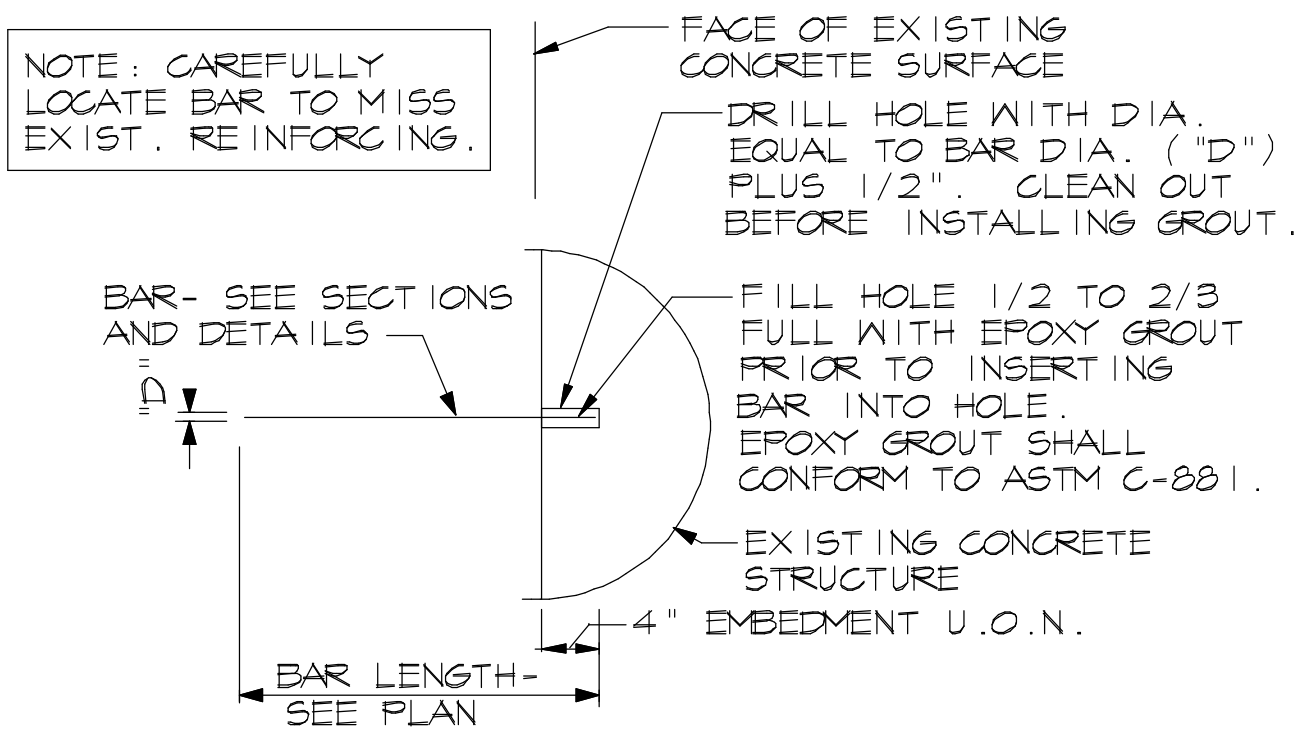
TYPICAL SLAB CONTRACTION (SAWCUT) JOINT
NOT TO SCALE (DENOTED C.J. ON PLAN)



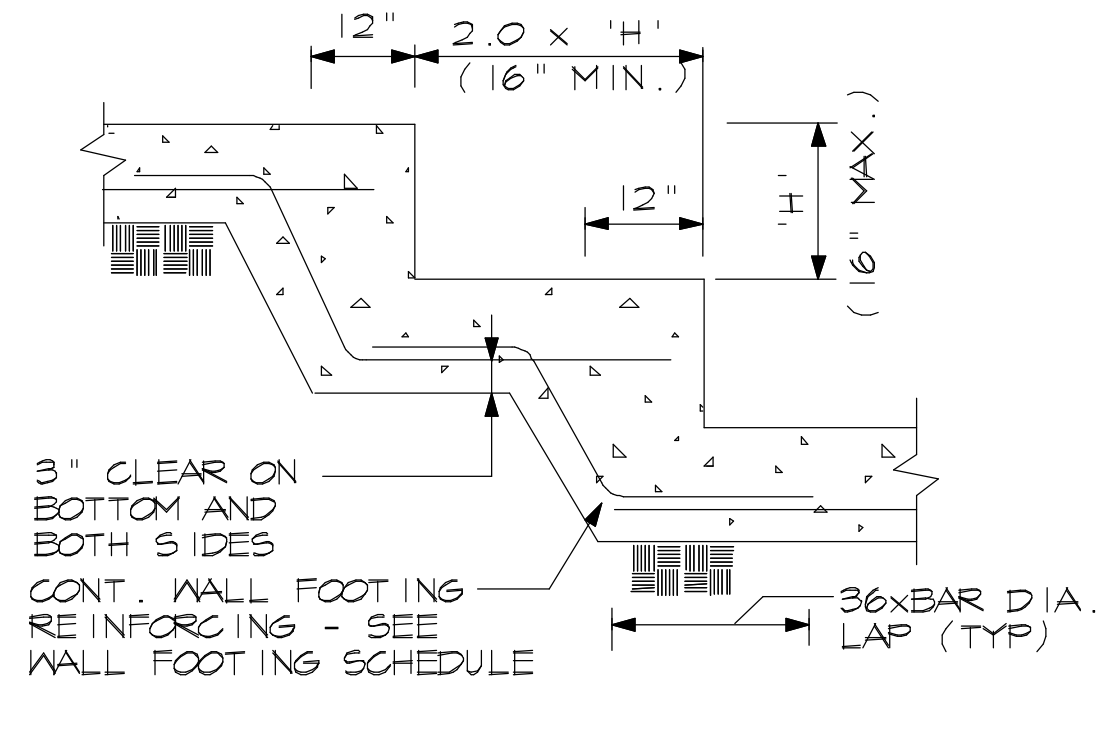
DIAMETER	MIN. EMBED.	MIN. PROJ.	MIN. LENGTH
5/8"	10"	2"	12"
3/4"	15"	3"	18"
7/8"	14 1/2"	3 1/2"	18"
1"	14 1/2"	3 1/2"	18"
1 1/4"	14 1/2"	3 1/2"	18"

- NOTES:
- USE EXPANSION BOLTS AT OVERHEAD DOOR JAMB CHANNELS WITH 1/2" DIAMETER MIN. BOLTS (4" EMBEDMENT, 2" PROJ.).
 - USE ADDITIONAL BOLT PROJECTION AT INTERIOR COLUMNS PER SECTION 5/5-2.1.
 - OPTION: USE ALL THREAD RODS FOR ENDWALL POSTS AT SECTION 2/52.1 WITH 8" EMBEDMENTS AND 3" PROJECTIONS, EPOXY GROUTED TO FOOTING.

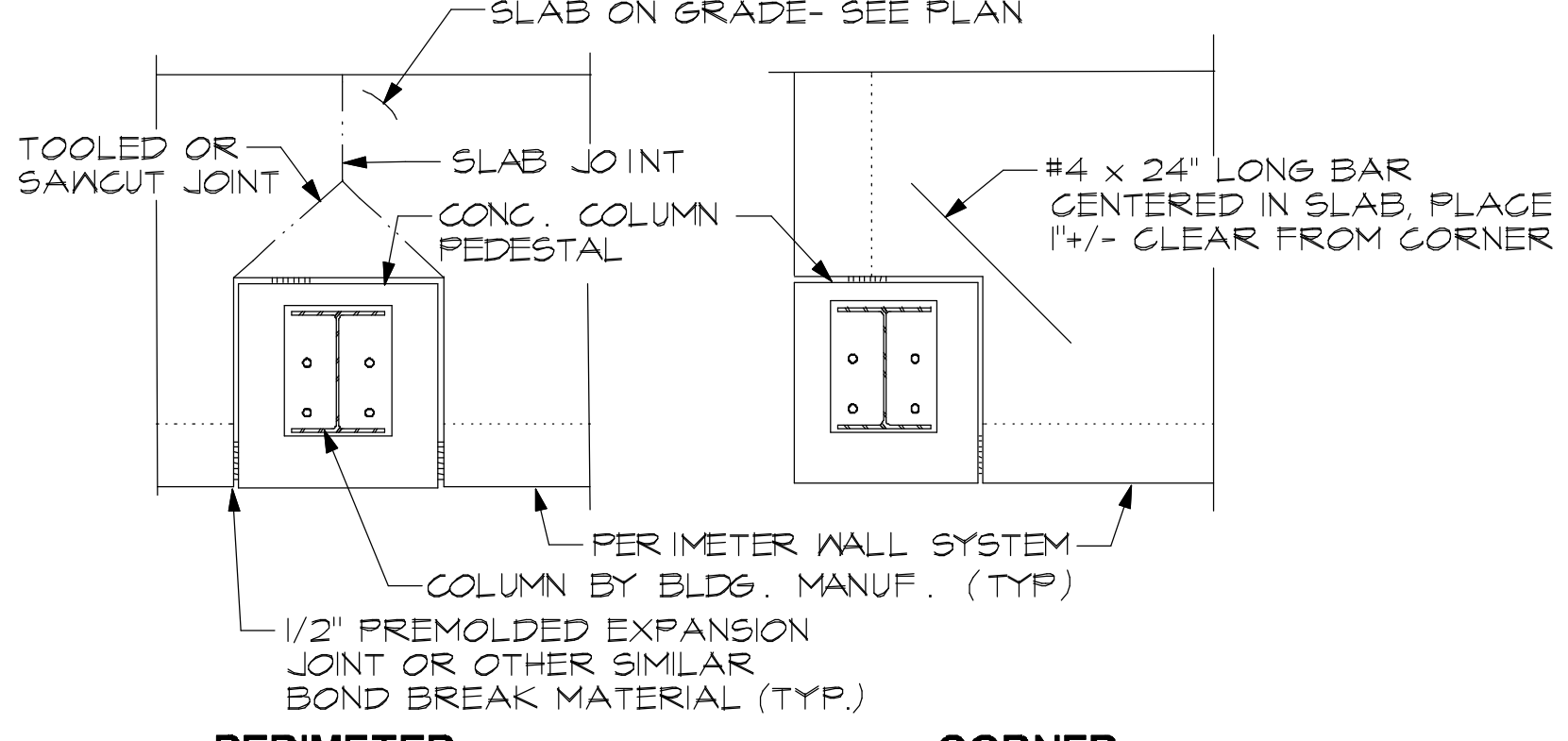
TYPICAL COLUMN ANCHOR ROD/BOLT DETAIL
NOT TO SCALE



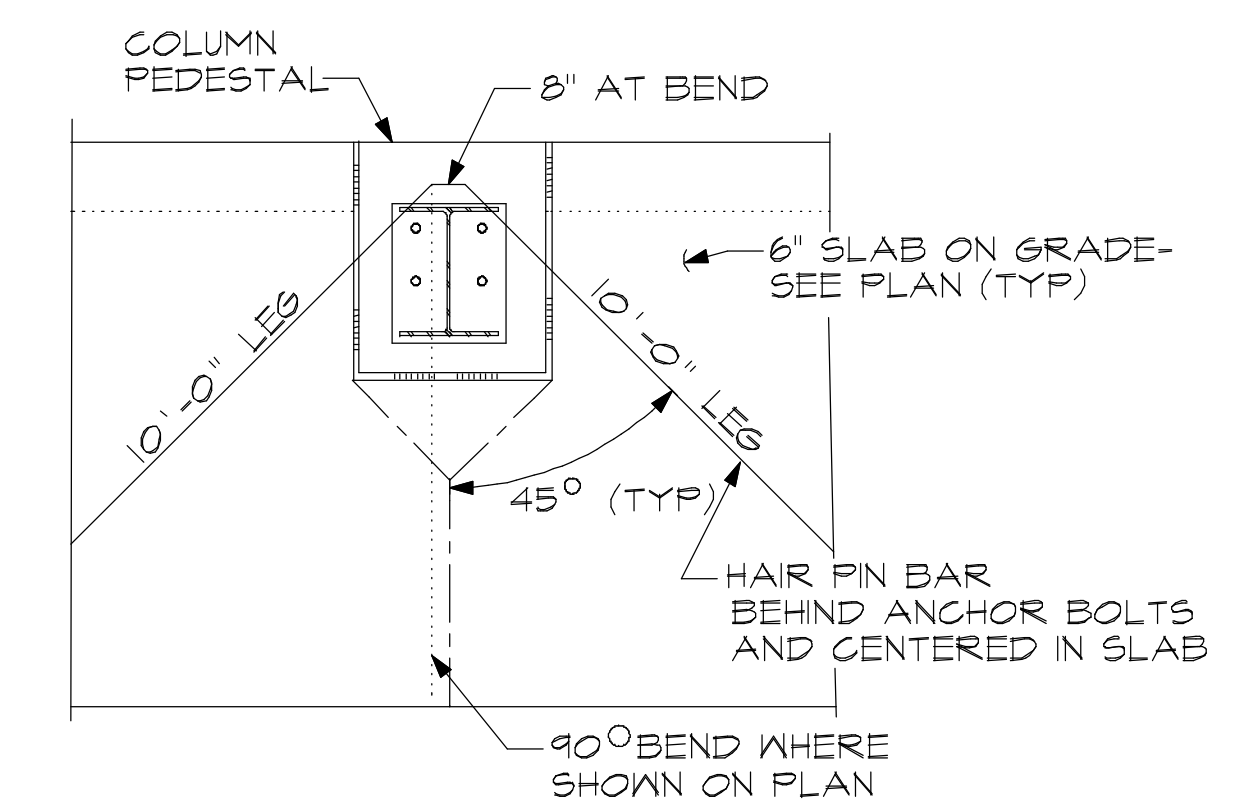
TYPICAL REINFORCING DOWEL TO EXIST. CONSTRUCTION DETAIL
NOT TO SCALE



TYP. STEPPED WALL FOOTING DETAIL
NOT TO SCALE (DENOTED S.F. ON PLAN)



TYPICAL PEDESTAL ISOLATION JOINT DETAILS
NOT TO SCALE



TYP. HAIR PIN BAR DETAIL
NOT TO SCALE

MARK	SIZE	THICK.	REINFORCING	
			TRANSVERSE	LONGITUDINAL
F4x4	4'-0" x 4'-0"	12"	(5)-#5 x 3'-6" TOP & BOTT.	(5)-#5 x 3'-6" TOP & BOTT.
F5x5	5'-0" x 5'-0"	12"	(6)-#5 x 4'-6" TOP & BOTT.	(6)-#5 x 4'-6" TOP & BOTT.
F6x6	6'-0" x 6'-0"	18"	(7)-#5 x 5'-6" TOP & BOTT.	(7)-#5 x 5'-6" TOP & BOTT.
MF3x3	3'-0" x 3'-0"	24"	(4)-#5 x 2'-6" BOTT.	(4)-#5 x 2'-6" BOTT.

MARK	SIZE	REINFORCING			PLAN DETAIL
		VERTICAL	TIES	TIE SPACING (SPACING FROM FLR.)	
P-1	18"x18"	(4)-#5	(2)-#3 EACH LAYER	1 @ 2", 1 @ 2" & REM. @ 9"	
P-2 P-2A	20"x24" 24"x24"	(8)-#5	(2)-#3 EACH LAYER	1 @ 2", 1 @ 2" & REM. @ 9"	
P-3	24"x40"	(12)-#5	(5)-#3 EACH LAYER	1 @ 2", 1 @ 2" & REM. @ 9"	

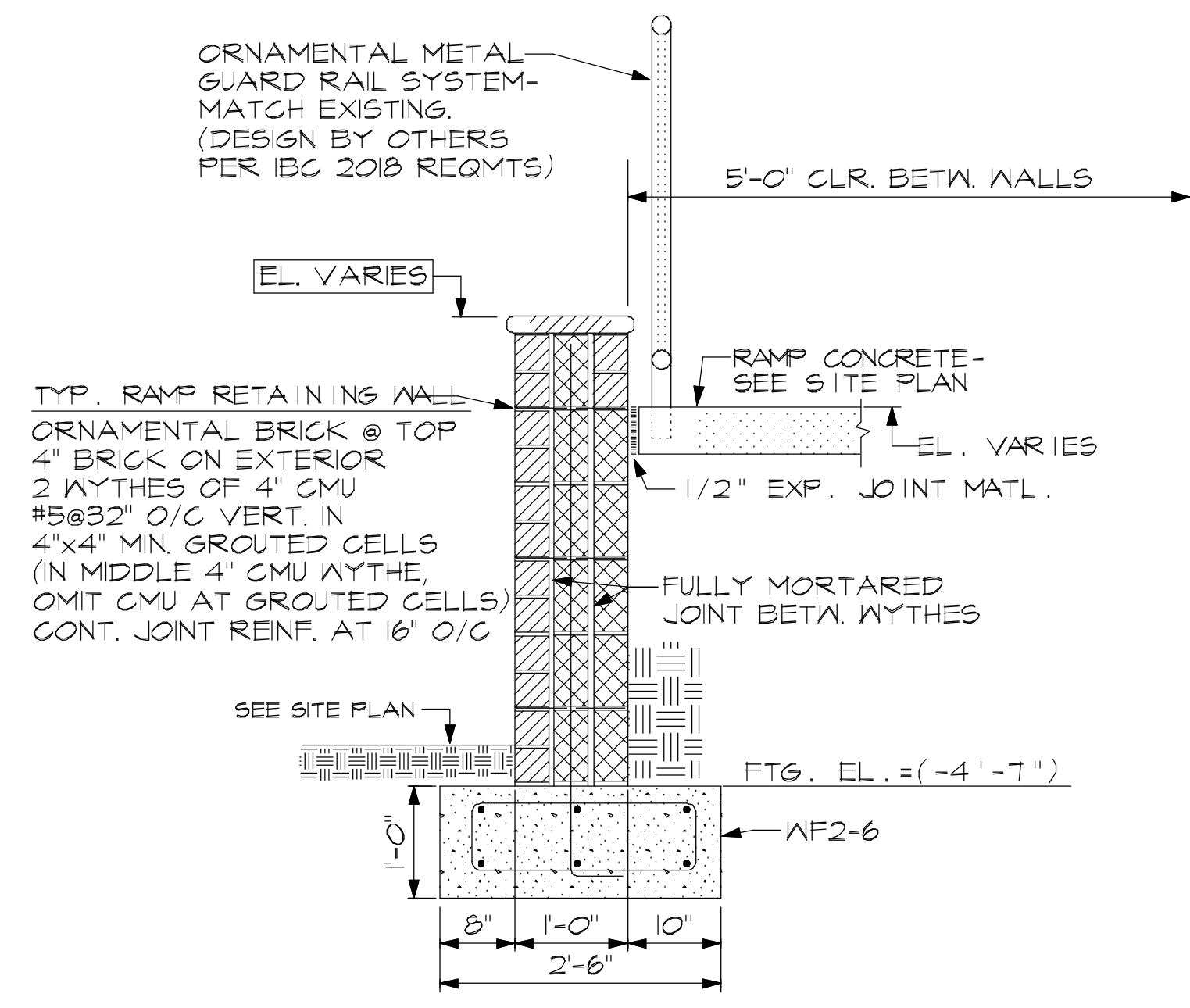
MARK	WIDTH 'W'	THICK. 'T'	REINFORCING	
			CONTINUOUS	TIE BARS
WF2-0	2'-0"	12"	(2)-#4 T & BOTT	SEE SECTIONS
WF2-6	2'-6"	12"	(3)-#4 T & BOTT	SEE SECTIONS

- PLAN NOTES:** (WORK WITH SHEET S-1.1)
- ELEVATIONS ARE BASED ON FINISHED FIRST FLOOR REFERENCE ELEVATION (0'-0"), WHICH IS TO MATCH THE EXISTING FLOOR.
 - SEE THE CIVIL DRAWINGS FOR THE EXACT LOCATIONS OF ALL EXTERIOR STAIR SYSTEMS, RAMPS, RETAINING WALLS, ETC.
 - SEE SHEET S-3.1 FOR THE TYPICAL BUILDING SECTIONS.
 - SEE SHEET S-3.2 FOR THE TYPICAL PERIMETER WALL SECTIONS.
 - SEE SHEET S-4.1 AND T-1.1 FOR ADDITIONAL NOTES.
 - VERIFY ALL DIMENSIONS WITH THE FINAL METAL BUILDING DRAWINGS.

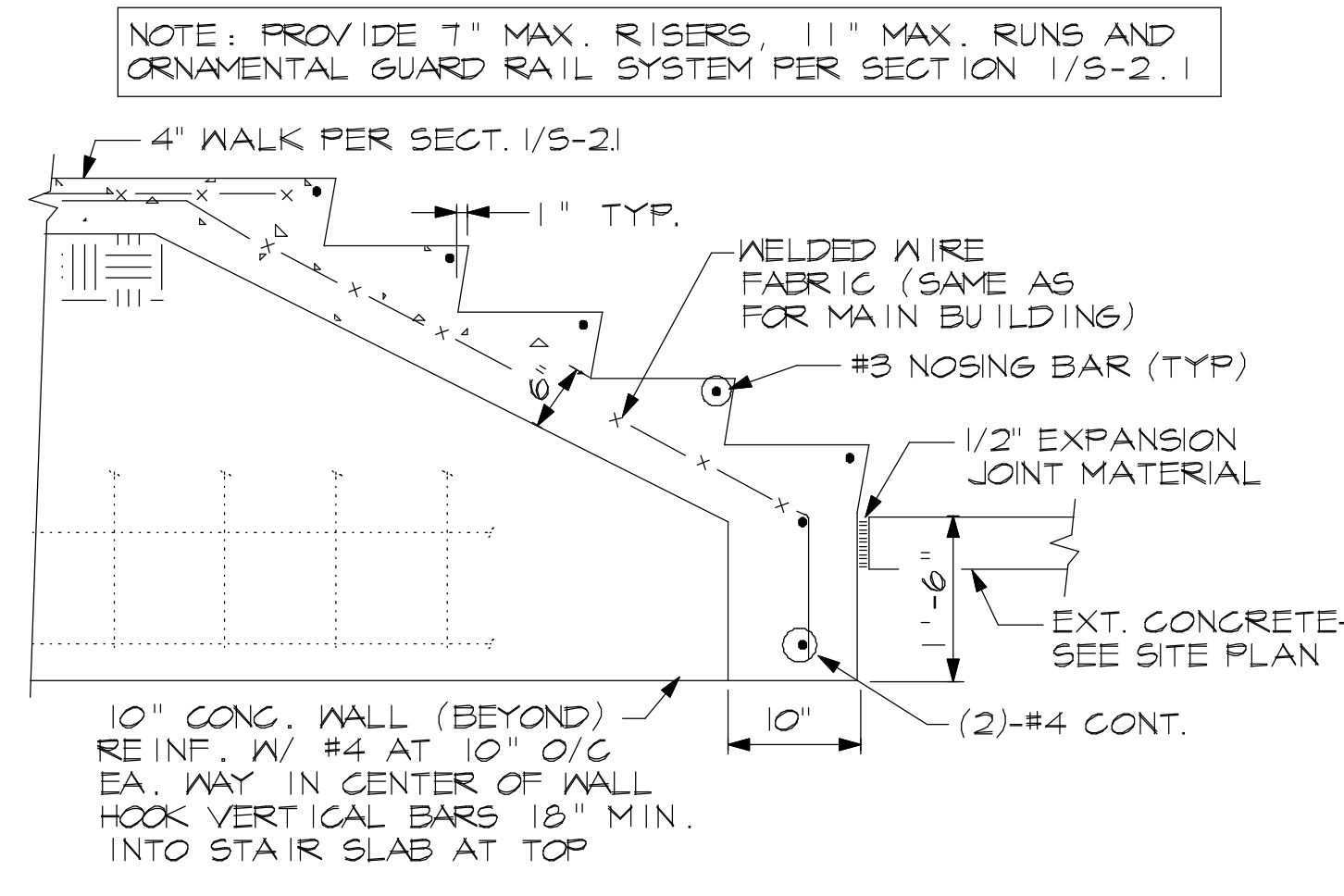
- PLAN LEGEND:** (WORK WITH SHEET S-1.1)
- FXxx COLUMN FOOTING- SEE SCHEDULE THIS SHEET
 - WFX-x WALL FOOTING- SEE SCHEDULE THIS SHEET
 - MFxx MONOLITHIC FOOTING- SEE SCHEDULE THIS SHEET
 - (-x'-x") TOP OF FOOTING ELEVATION
 - P-x COLUMN PEDESTAL- SEE SCHEDULE THIS SHEET
 - D.C.J. DOWELED SLAB CONSTRUCTION JOINT
 - C.J. SLAB CRACK CONTROL JOINT
 - SLAB JOINT
 - S.F. STEPPED FOOTING
 - ⊕ METAL BUILDING STRUCTURE LINE
 - U.O.N. UNLESS OTHERWISE NOTED
 - ⊙ TOP REINFORCING IN FOOTING

Revisions

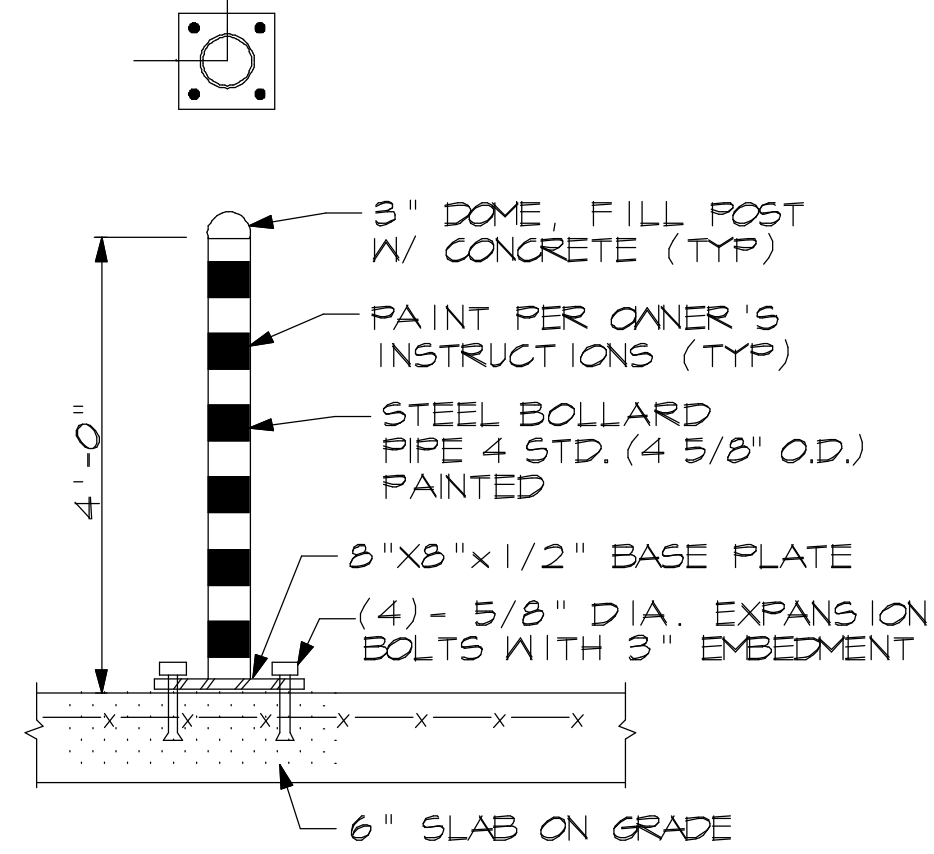
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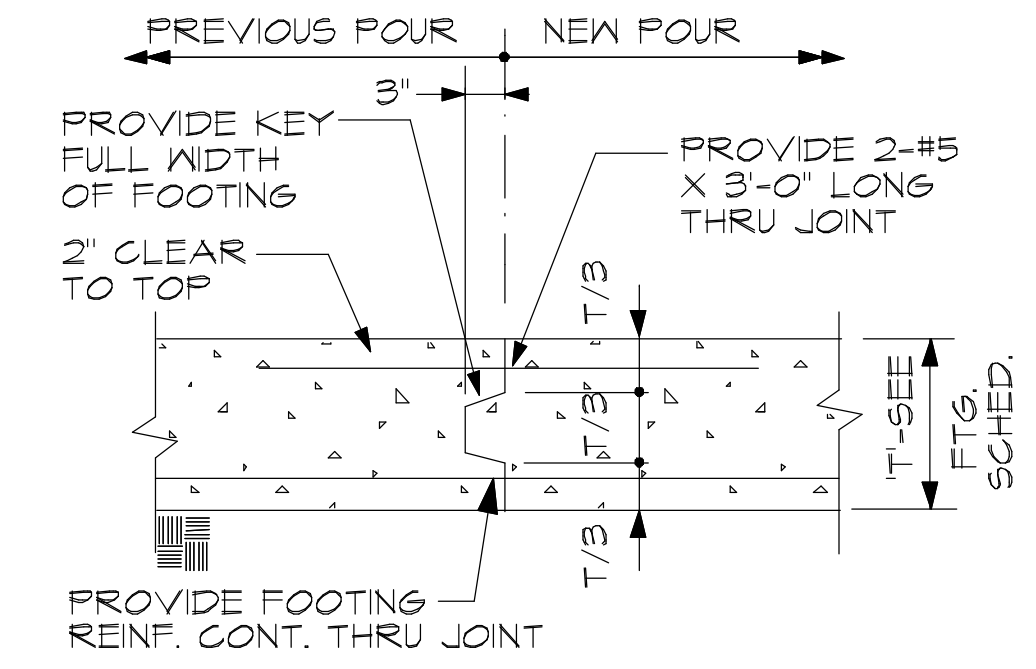
TYP. FRONT RAMP RETAINING WALL DETAIL
SCALE: 3/4" = 1'-0"



TYP. FRONT CONCRETE STAIR DETAIL
NOT TO SCALE

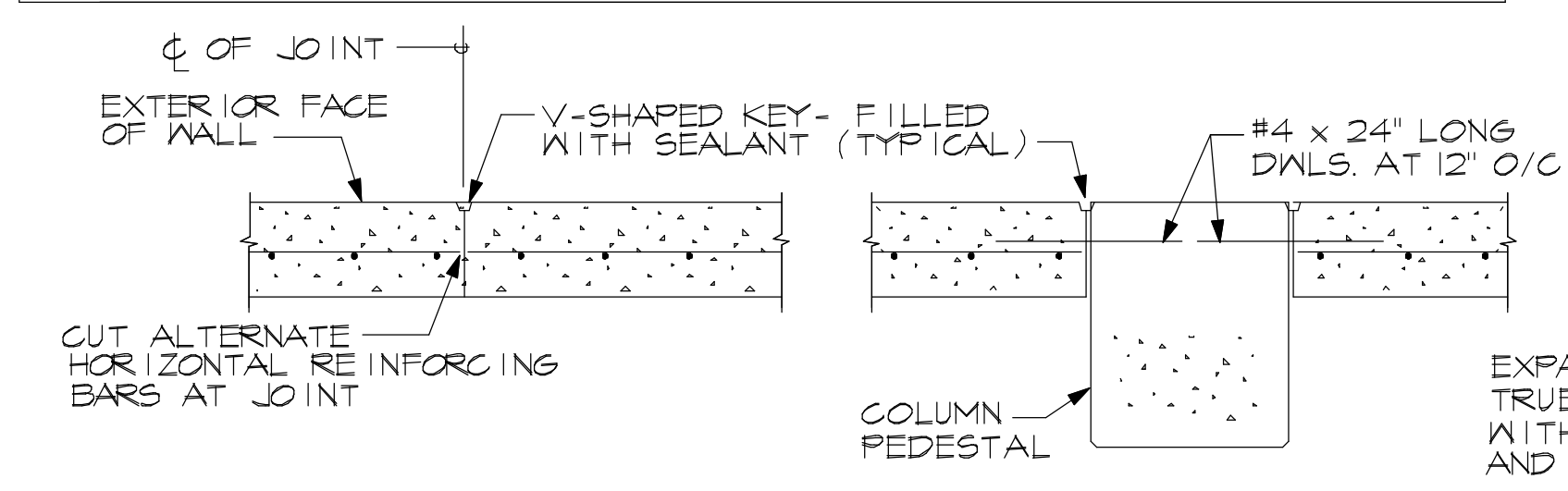


TYPICAL PIPE BOLLARD DETAIL
NOT TO SCALE

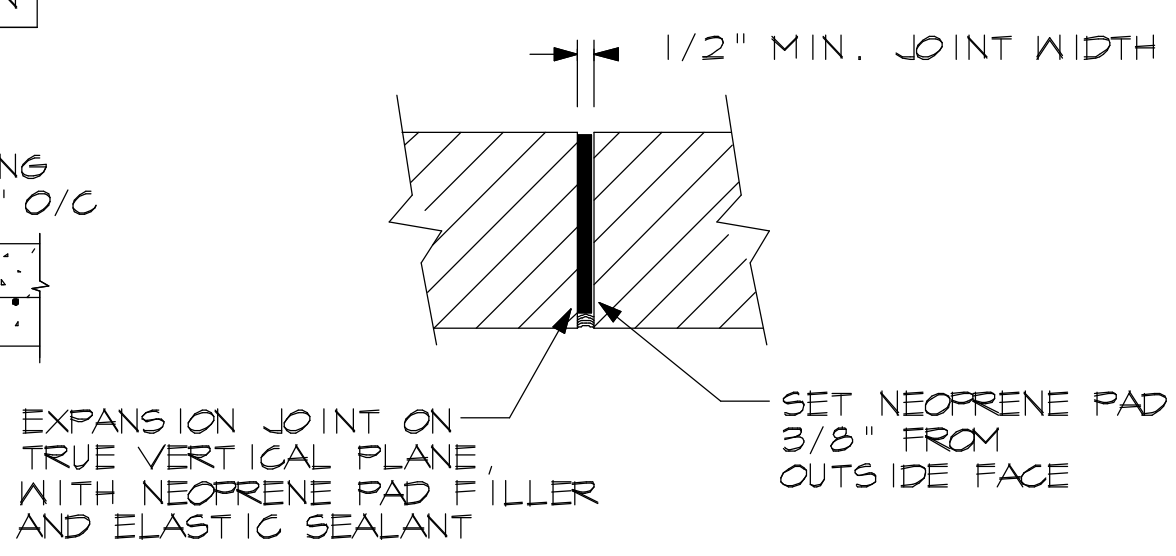


TYPICAL WALL FOOTING CONSTRUCTION JOINT DETAIL
NOT TO SCALE

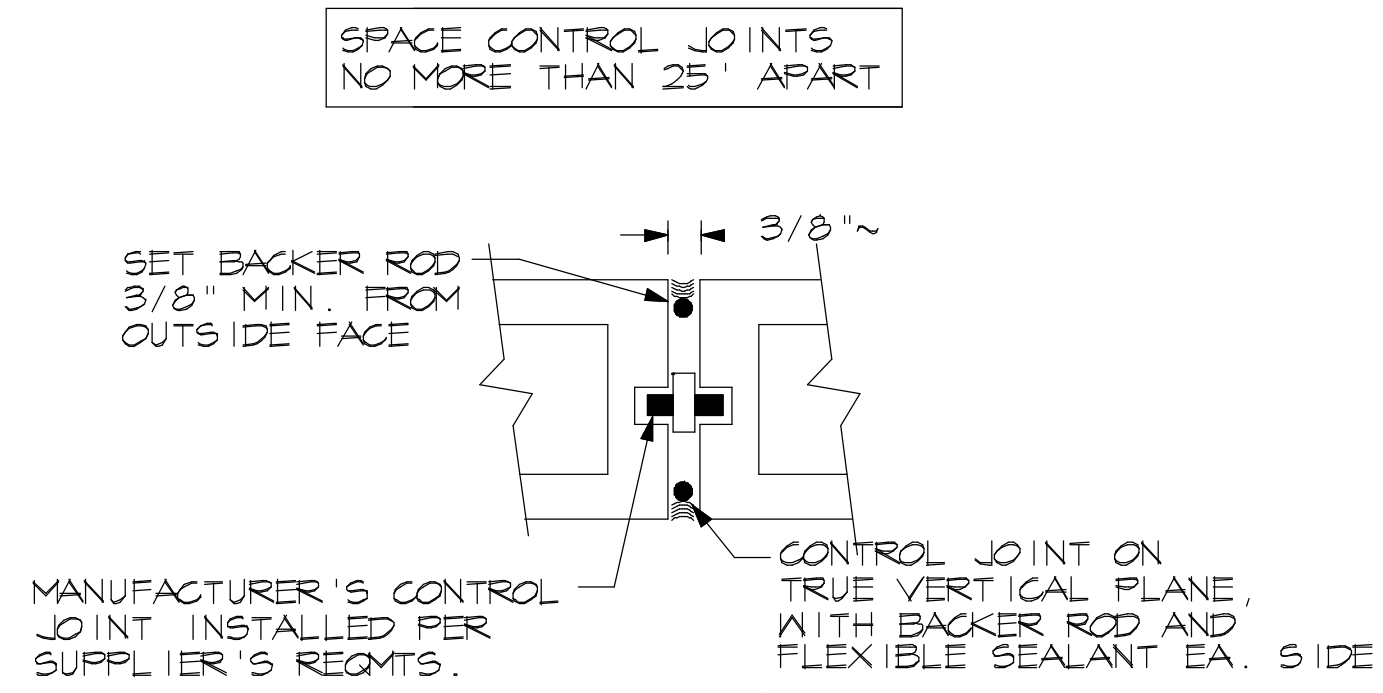
SPACE CONTROL JOINTS IN THE CONCRETE DOCK WALLS AT ALL CONCRETE COLUMN PEDESTALS AND AT APPROX. 15'-0" MAX. O/C BETWEEN



CONCRETE WALLS
CRACK CONTROL JOINT

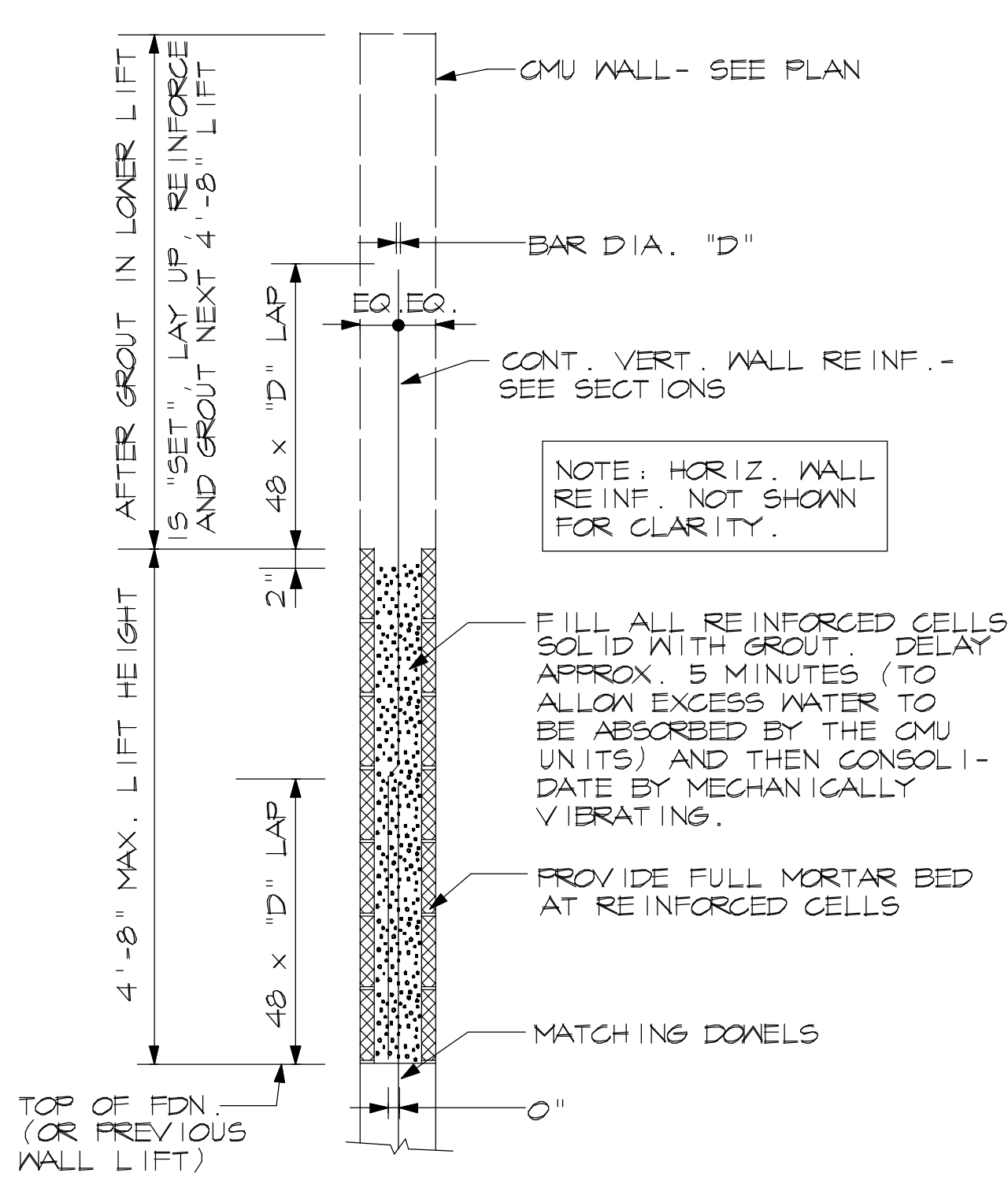


BRICK FACADE
BRICK EXPANSION JOINT, DENOTED (B.E.J.) ON PLAN



CMU WALLS
CRACK CONTROL JOINT

TYP. MASONRY AND CONCRETE WALL JOINT DETAILS
NOT TO SCALE

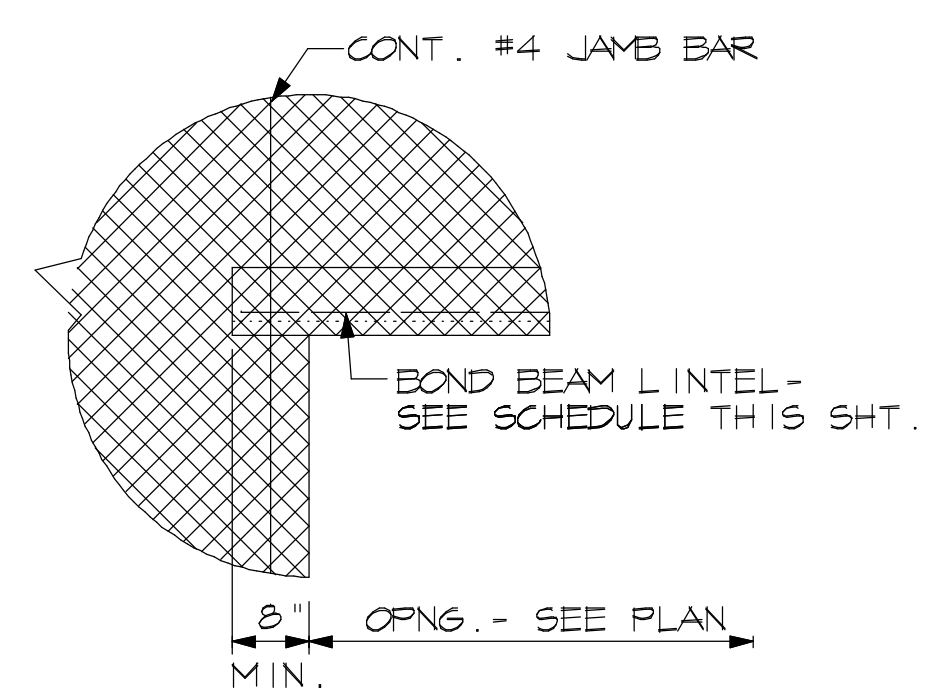


TYPICAL "LOW-LIFT" MASONRY WALL CONSTRUCTION DETAIL
NOT TO SCALE

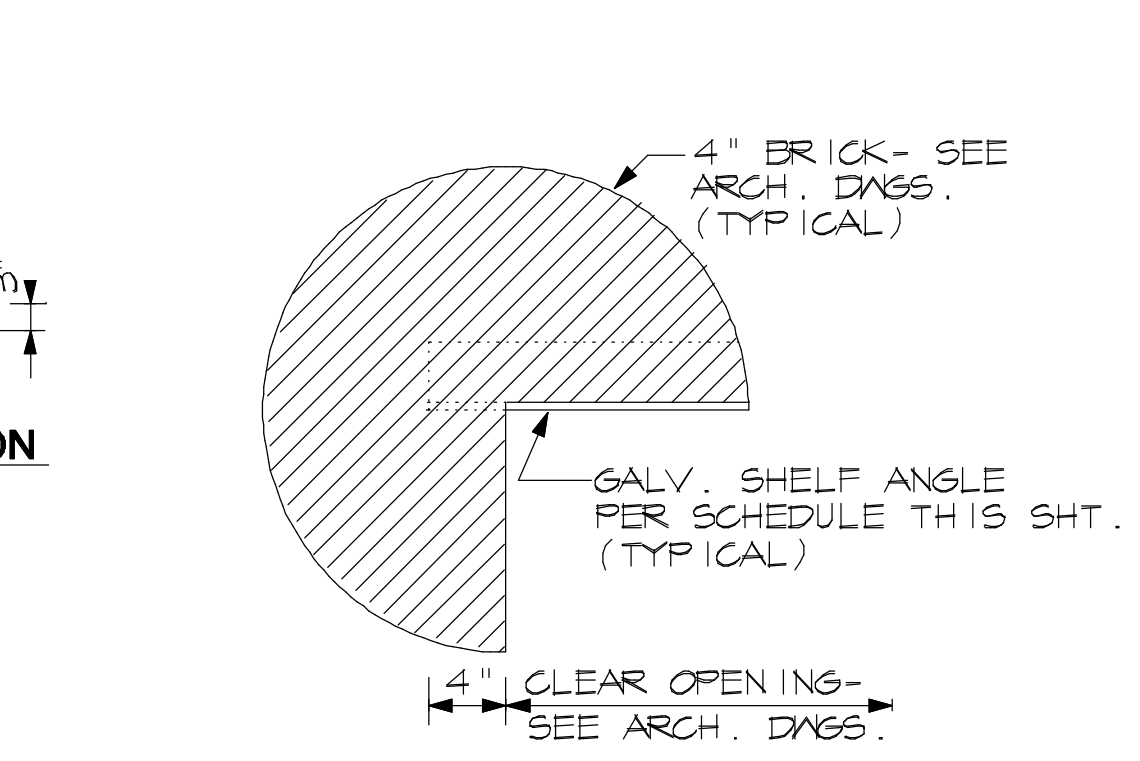
BOND BEAM LINTEL SCHEDULE		
CLR. SPAN	"D"	REINFORCING
UP TO 5'-4"	8"	2-#4 BOT.
5'-5" TO 6'-8"	8"	2-#5 BOT.
6'-9" TO 10'-0"	16"	2-#5 TOP & BOT.

- NOTES:**
- SEE THE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF ALL OPENINGS.
 - PROVIDE 8" MINIMUM BEARING EACH END.
 - SCHEDULE APPLIES ONLY TO LINTELS NOT OTHERWISE SHOWN.
 - CONTRACTOR TO PROVIDE TEMPORARY SHORING UNTIL MASONRY HAS PROPERLY SET (3 DAY MIN.)

TYPICAL BOND BEAM LINTEL DETAILS
NOT TO SCALE



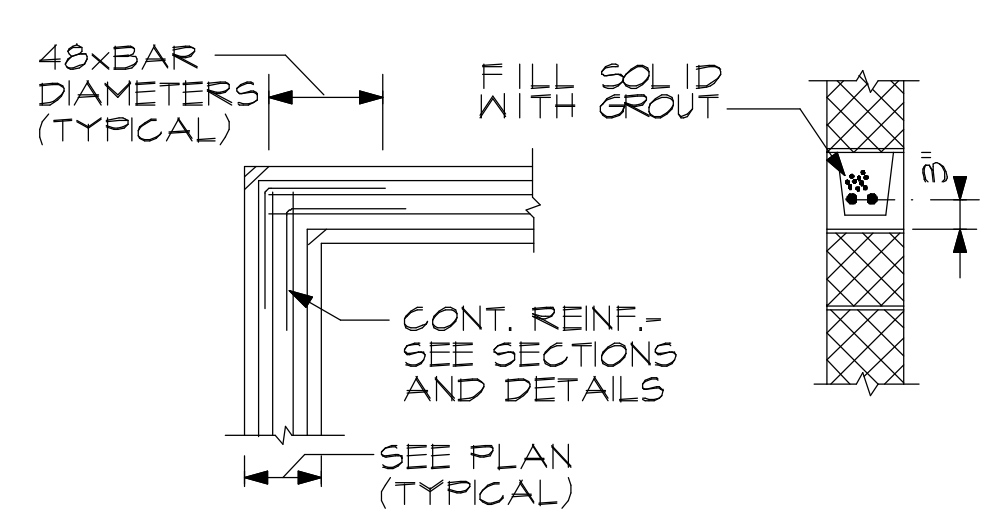
TYPICAL LINTEL BEARING DETAIL
NOT TO SCALE



TYP. BRICK SHELF L DETAIL
NOT TO SCALE

BRICK SHELF ANGLE SCHEDULE	
CLEAR SPAN	ANGLE SIZE (GALV.)
UP TO 3'-4"	L4x4x1/4
3'-5" TO 5'-4"	L4x4x3/8
5'-5" TO 8'-8"	L6x4x5/16 (LLV)

PROVIDE TEMPORARY SUPPORT OF SHELF ANGLES UNTIL BRICK HAS SET.

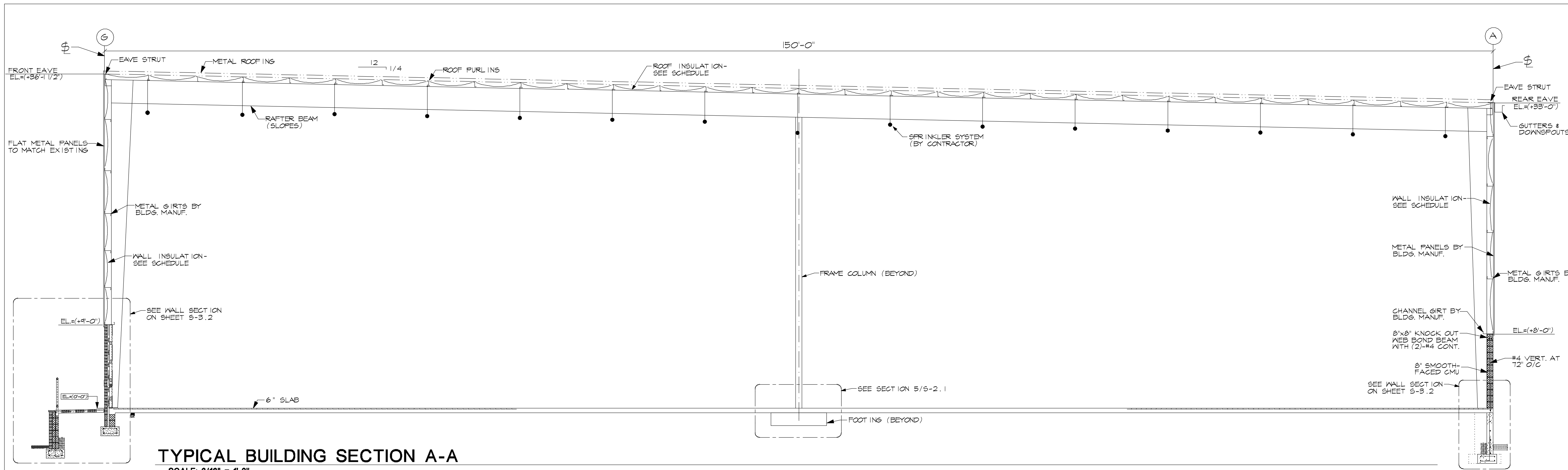


TYP. BOND BEAM REINF. DETAILS
NOT TO SCALE

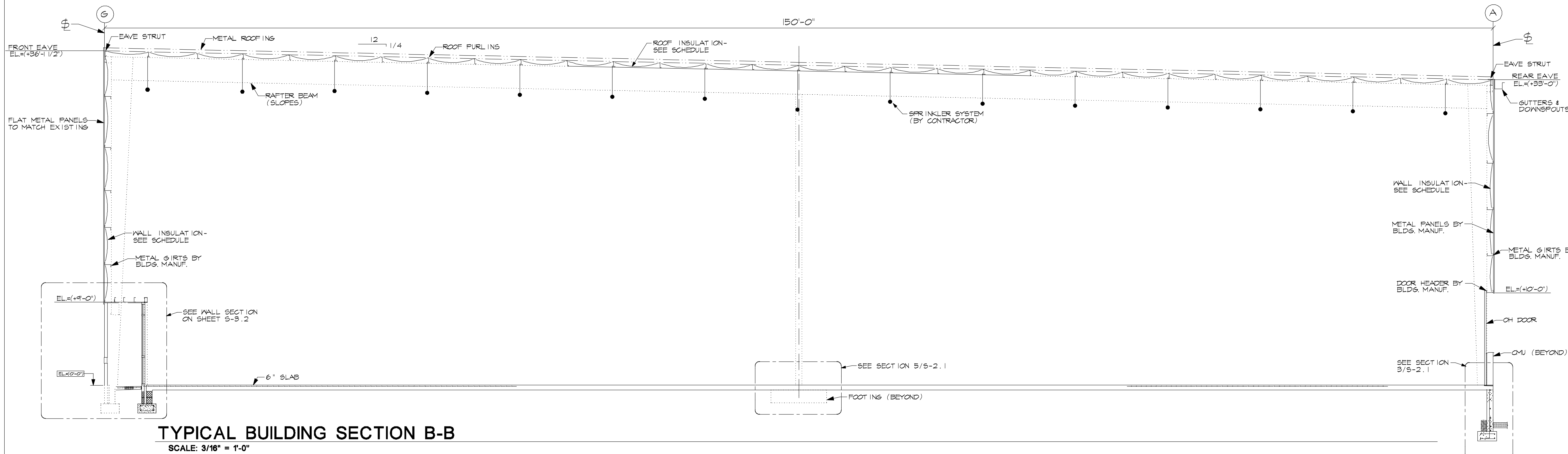


Project: 2230
Drawn: DRW
Checked: DRW
Date: 12/14/22

Revisions	
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Δ	x/x/22



TYPICAL BUILDING SECTION A-A
SCALE: 3/16" = 1'-0"

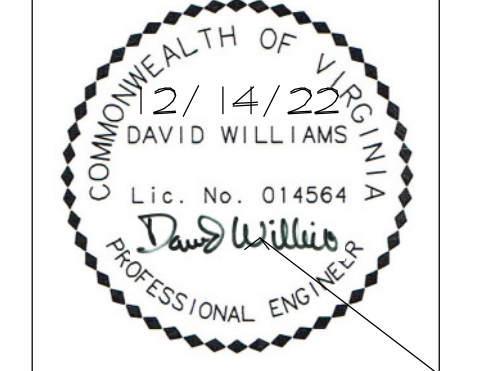


TYPICAL BUILDING SECTION B-B
SCALE: 3/16" = 1'-0"

BUILDING INSULATION SCHEDULE PER COMCHECK RUN BASED ON IECC 2018/ASHRAE 90.1 (2016) AND SEMI-HEATED WAREHOUSE SPACE	
ROOF:	MIN. OF R-19 (6") SINGLE LAYER WITH R-3.5 THERMAL BLOCKS ON PURLINS
PEWB WALL:	R-13 (4"), SINGLE LAYER VINYL FACED
STUD WALL:	R-13 (4") BATT IN 3 5/8" STUDS
8" CMU:	NON REINFORCED CELLS FILLED WITH 'COREFILL 500', R-8
PERIMETER SLAB:	NONE REQUIRED PER ASHRAE 90.1

CLP INCUS JR. & CO.
GENERAL CONTRACTORS

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Project: 2230
Drawn: DRW
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Revisions	
Mark	Date
△	x/x/22

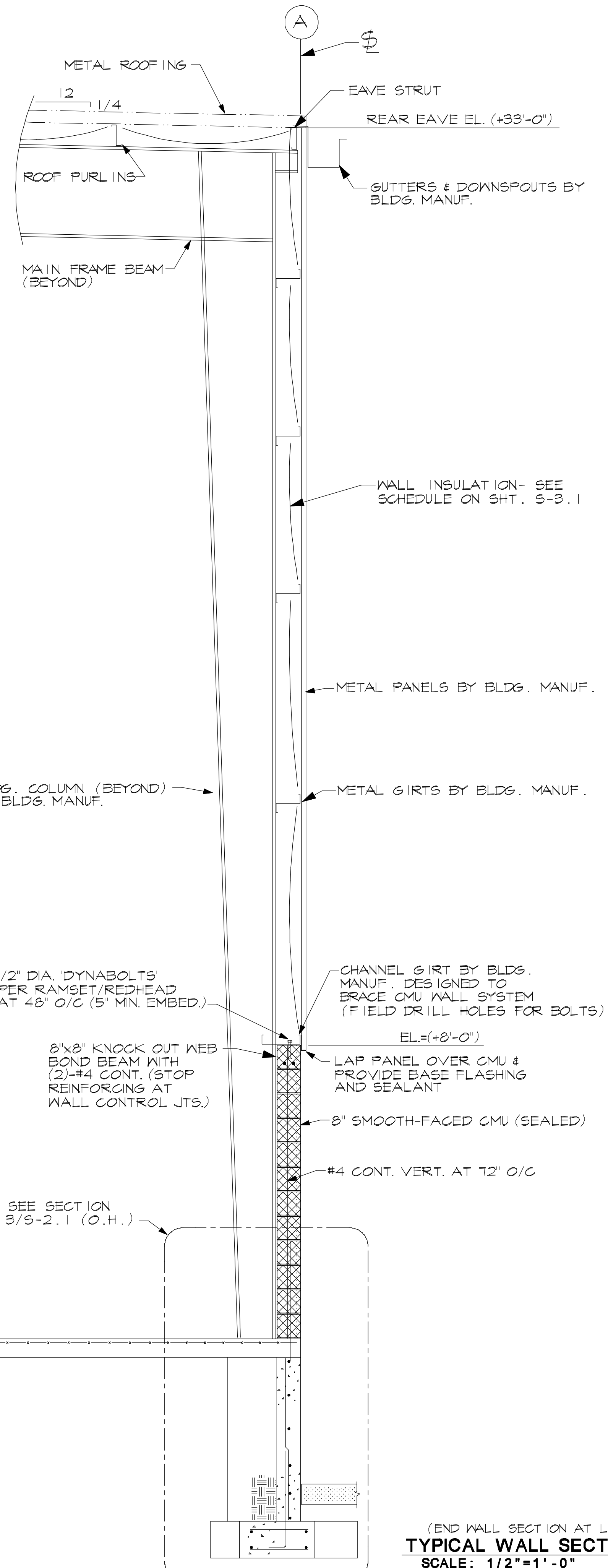
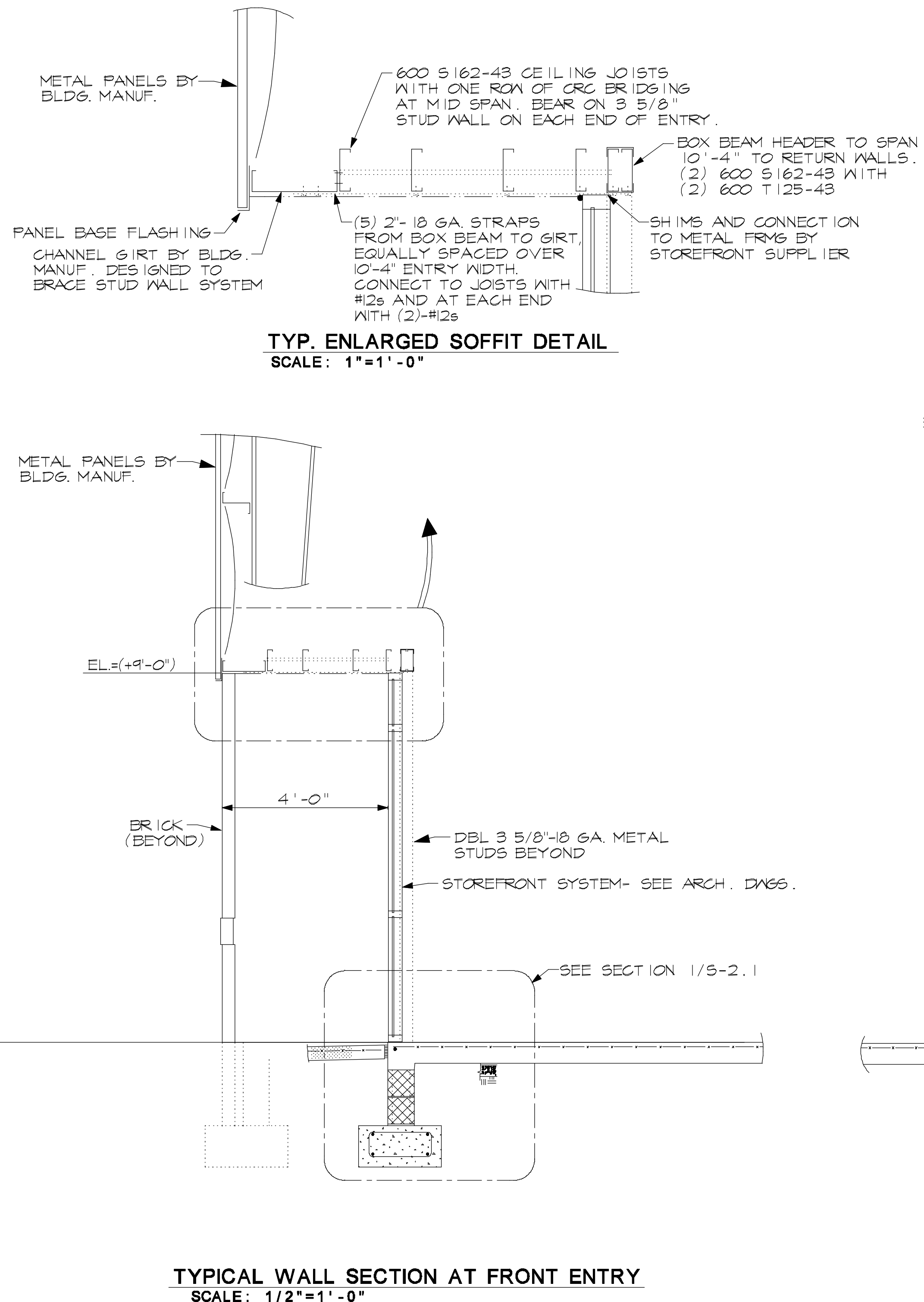
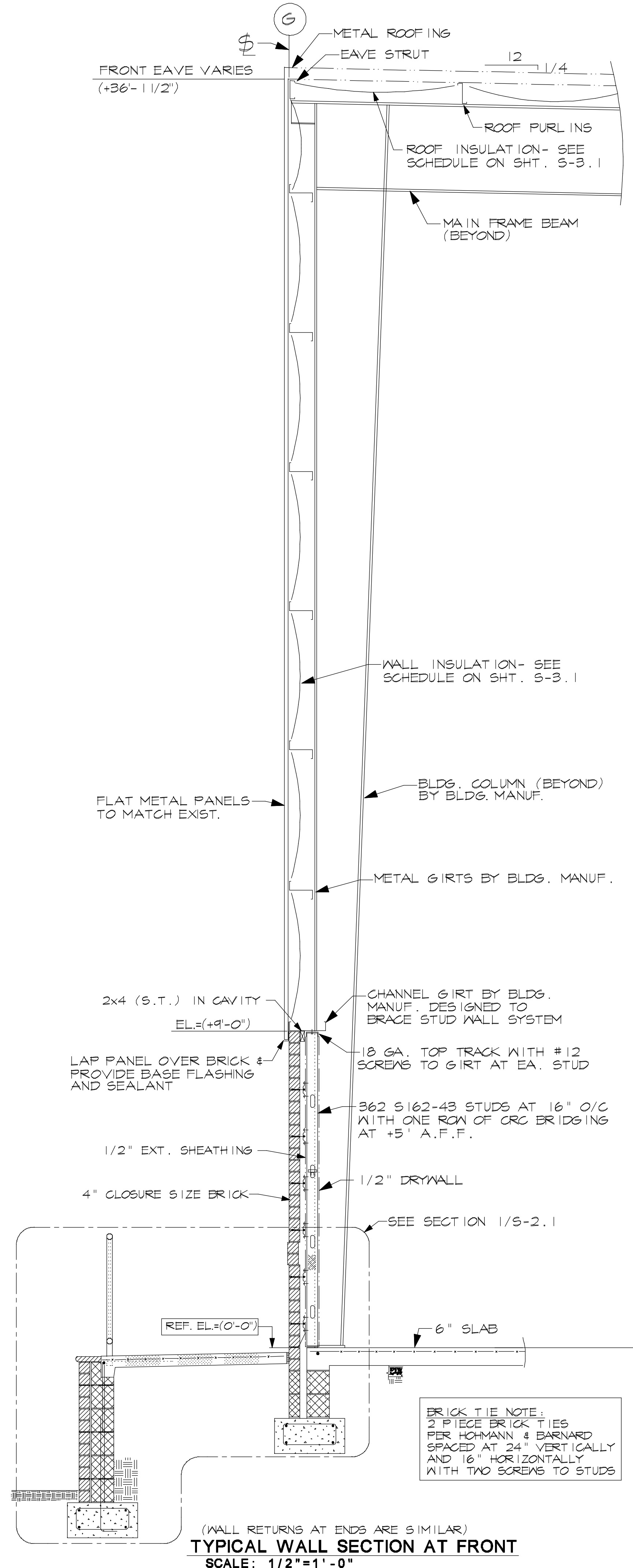
SHELL WAREHOUSE BUILDING- PHASE 2
NORTHGATE COMMERCE PARK
1965 NORTHGATE COMMERCE PARKWAY
SUFFOLK, VIRGINIA

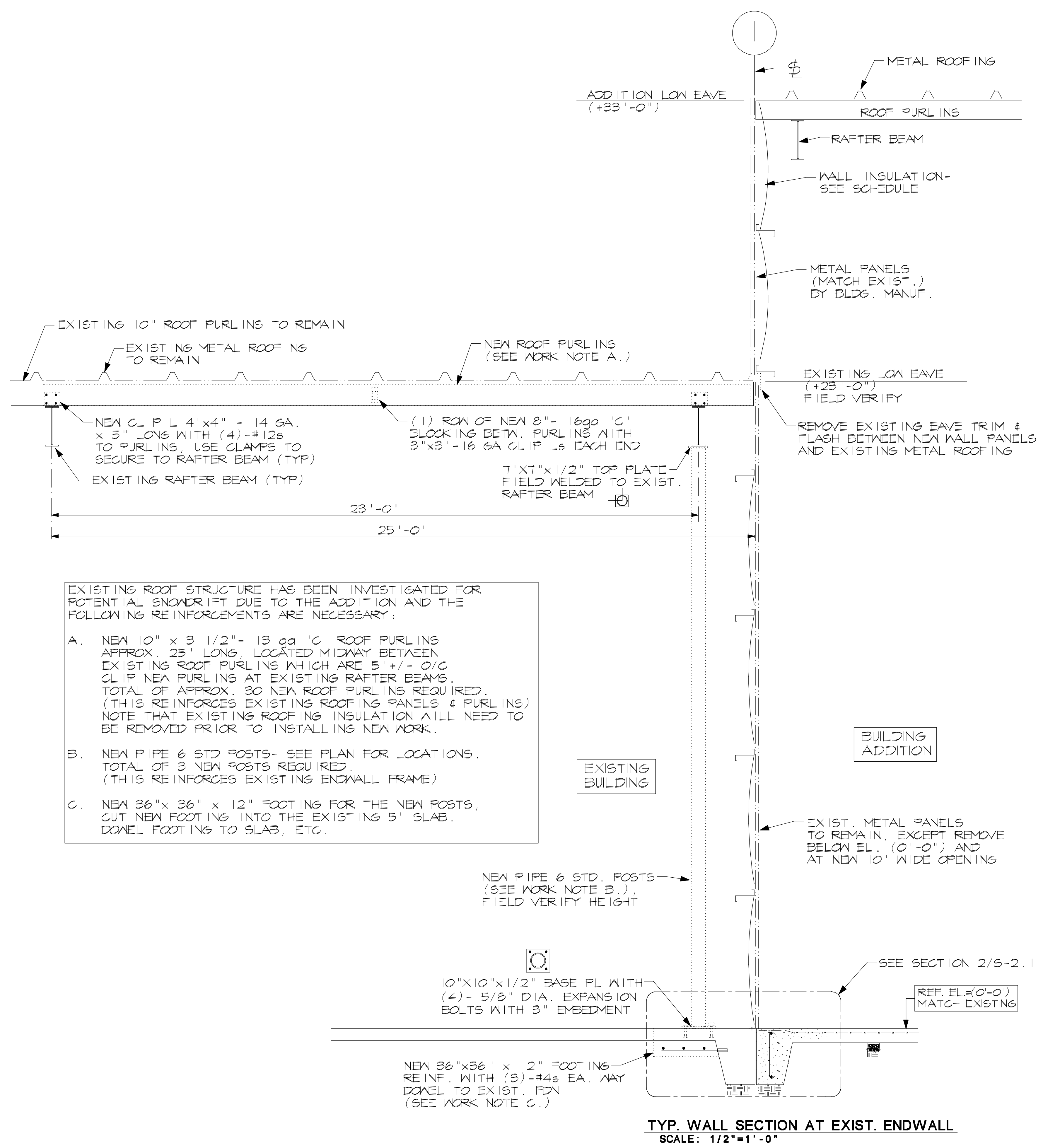
TYPICAL BUILDING SECTIONS

SHEET NO.
S-3.1

Revisions	
Mark	Date
△	x/x/22

SHELL WAREHOUSE BUILDING- PHASE 2
NORTHGATE COMMERCE PARK
1965 NORTHGATE COMMERCE PARKWAY
SUFFOLK, VIRGINIA
TYPICAL PERIMETER WALL SECTIONS

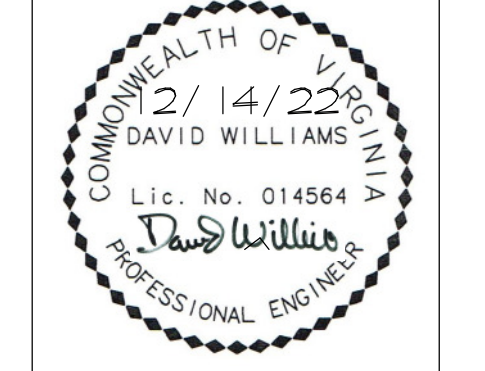
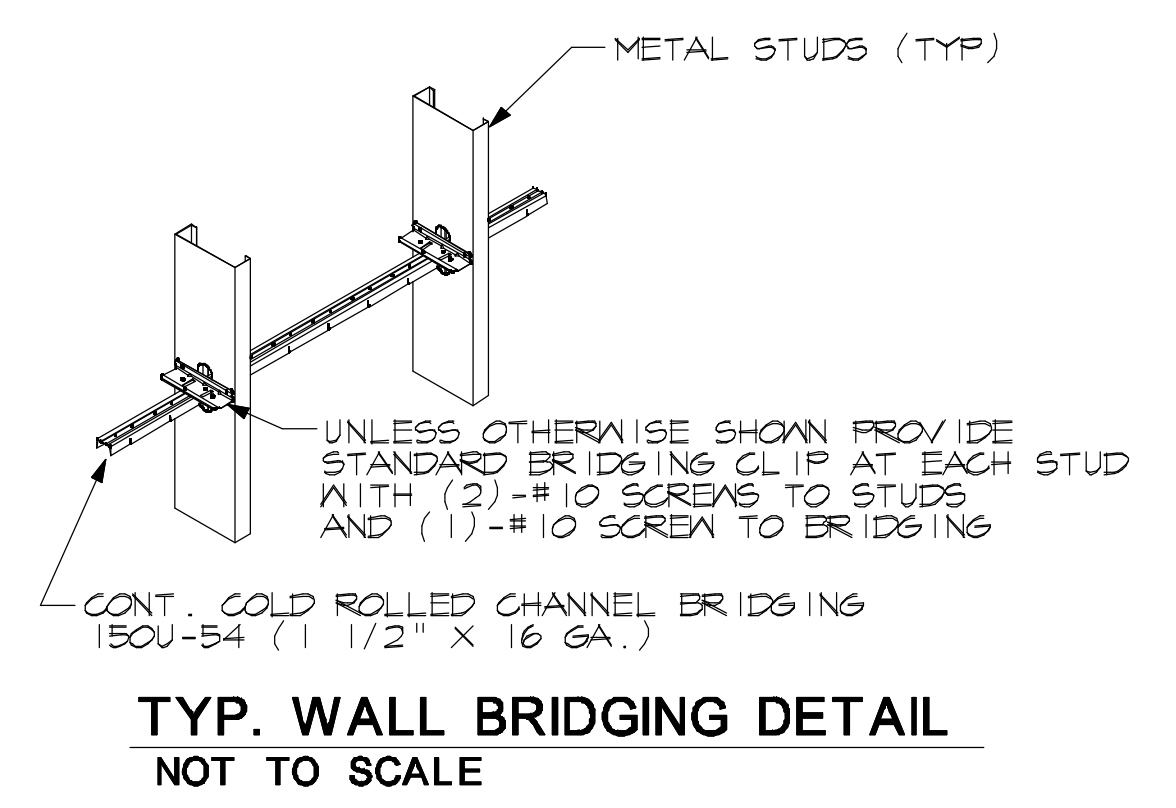
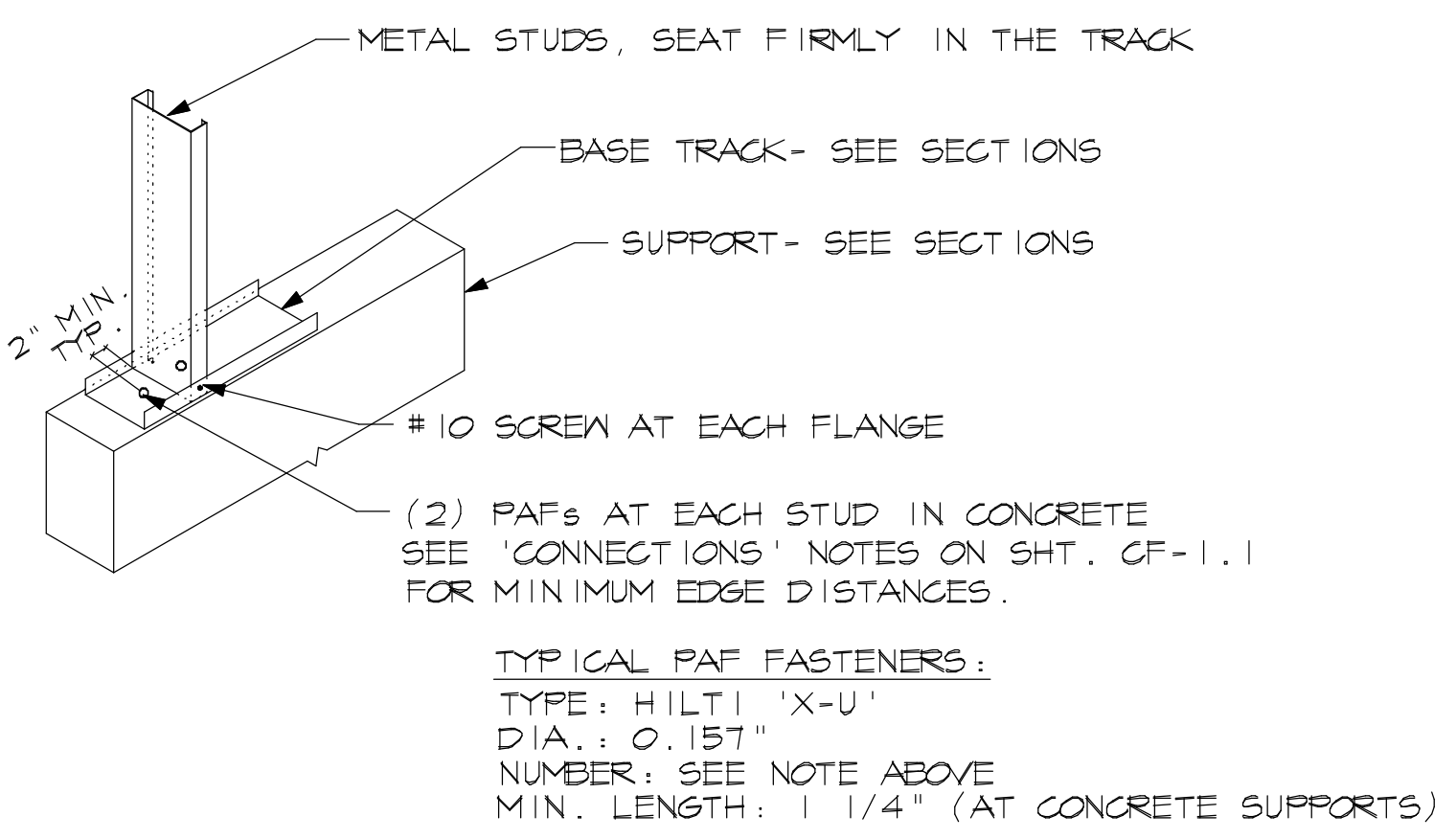
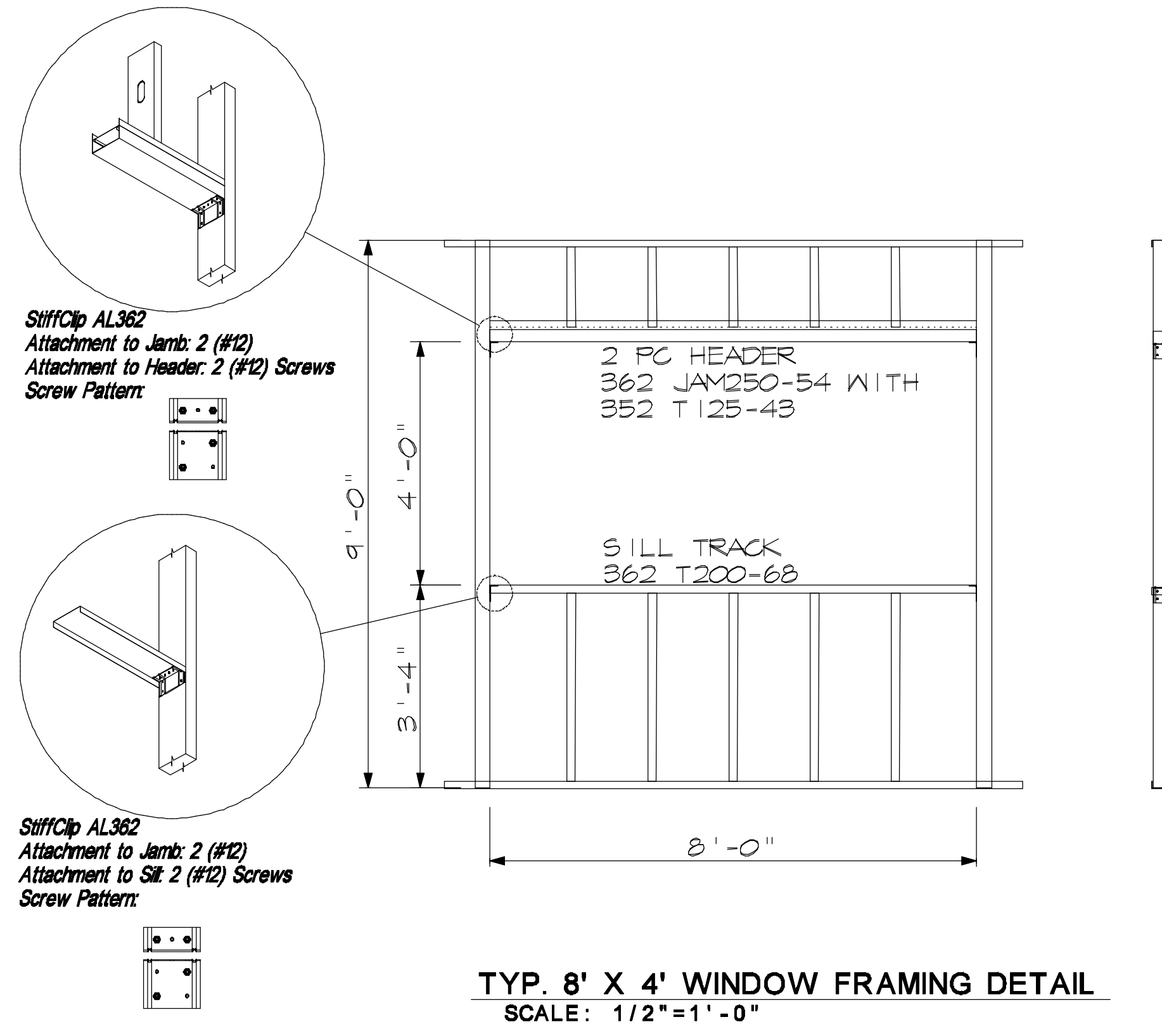




EXISTING ROOF STRUCTURE HAS BEEN INVESTIGATED FOR POTENTIAL SNOWDRIFT DUE TO THE ADDITION AND THE FOLLOWING REINFORCEMENTS ARE NECESSARY:

- NEW 10" x 3 1/2" - 13 ga 'C' ROOF PURLINS APPROX. 25' LONG, LOCATED MIDWAY BETWEEN EXISTING ROOF PURLINS WHICH ARE 5' +/- O/C CLIP NEW PURLINS AT EXISTING RAFTER BEAMS. TOTAL OF APPROX. 30 NEW ROOF PURLINS REQUIRED. (THIS REINFORCES EXISTING ROOFING PANELS & PURLINS) NOTE THAT EXISTING ROOFING INSULATION WILL NEED TO BE REMOVED PRIOR TO INSTALLING NEW WORK.
- NEW PIPE 6 STD. POSTS- SEE PLAN FOR LOCATIONS. TOTAL OF 3 NEW POSTS REQUIRED. (THIS REINFORCES EXISTING ENDWALL FRAME)
- NEW 36"x36" x 12" FOOTING FOR THE NEW POSTS, CUT NEW FOOTING INTO THE EXISTING 5" SLAB. DONEL FOOTING TO SLAB, ETC.

WINDOW JAMB OPTIONS		
Section	362 S300-97, 50 ksi	
Section	(2) 362 S200-68, 50 ksi	



Project: 2230
Drawn: DRW
Checked: DRW
Date: 12/14/22

Revisions	
Mark	Date
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SHELL WAREHOUSE BUILDING- PHASE 2
NORTHGATE COMMERCE PARK
 1965 NORTHGATE COMMERCE PARKWAY
 SUFFOLK, VIRGINIA
 TYPICAL WALL FRAMING DETAILS

GENERAL STRUCTURAL NOTES:

- 1. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS OF ALL OTHER DISCIPLINES (ARCHITECTURAL, ETC.)... THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO SLEEVES, CHASES, HANGERS, INSERTS, ANCHORS, HOLES AND OTHER ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORK.

DESIGN CRITERIA NOTES:

- 1. THE INTENDED DESIGN STANDARDS AND/OR CRITERIA ARE AS FOLLOWS: GENERAL 2018 VIRGINIA CONSTRUCTION CODE (MODEL BUILDING CODE 15 IBC 2018) LOADS CONCRETE ASCE 7-16 ACI 318-14 CONCRETE MASONRY ACI 530 METAL FRAMING AISI S100-16 FOUNDATIONS SOIL BEARING CAPACITY OF 2,000 PSF PER ORIGINAL GEOTECHNICAL REPORT BY GET SOLUTIONS, DATED 6/2/2008.

EXISTING CONSTRUCTION NOTES:

- 1. BEFORE PROCEEDING WITH ANY WORK WITHIN THE EXISTING FACILITY, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH EXISTING STRUCTURAL AND OTHER CONDITIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY BRACING, SHORING AND OTHER SAFEGUARDS TO MAINTAIN ALL PARTS OF THE EXISTING WORK IN A SAFE CONDITION DURING THE PROCESS OF DEMOLITION AND CONSTRUCTION AND TO PROTECT FROM DAMAGE THOSE PORTIONS OF THE EXISTING WORK WHICH ARE TO REMAIN.

SITE PREPARATION NOTES:

- 1. WITHIN AN AREA AN AVERAGE OF 5 FEET BEYOND THE BUILDING LIMITS, EXCAVATE TO A MINIMUM OF 6" OF EXISTING SOIL, REMOVE ALL ORGANICS, PAVEMENT, TOPSOIL, ROOTS, DEBRIS AND OTHERWISE UNSUITABLE SOIL. AN UNDERCUT OF FROM 1" TO 2" MAY BE REQUIRED (SEE GEOTECH. REPORT).

FOUNDATION NOTES:

- 1. FOUNDATIONS SHALL BEAR ON COMPACTED SUBGRADE SOILS OR COMPACTED FILL CAPABLE OF SUPPORTING A DESIGN BEARING PRESSURE OF 2,000 PSF. ALL FOUNDATION EXCAVATIONS SHALL BE EVALUATED BY THE GEOTECHNICAL ENGINEER / TESTING AGENCY PRIOR TO POURING FOUNDATION CONCRETE.

MASONRY NOTES:

- 1. MASONRY CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530.1)", PUBLISHED BY THE AMERICAN CONCRETE INSTITUTE, DETROIT, MICHIGAN.

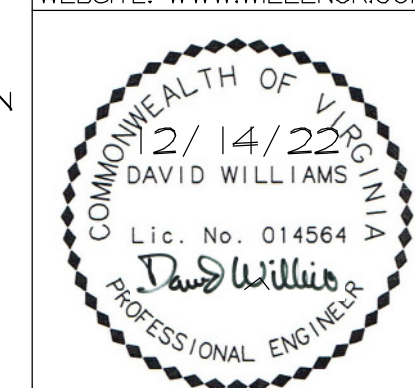
CFMF PRODUCT IDENTIFICATION AND REQUIREMENTS:

- 1. THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA) STANDARDS ARE USED IN THIS SUBMITTAL. ANY MANUFACTURER WHOSE PRODUCT MEETS OR EXCEEDS THE SSMA STANDARDS ARE ACCEPTABLE. SEE NOTES BELOW FOR NOMENCLATURE.

PRE-ENGINEERED METAL BUILDING NOTES:

- 1. THE ENTIRE PRE-ENGINEERED METAL BUILDING SYSTEM SHALL BE DESIGNED BY THE METAL BUILDING MANUFACTURER IN CONFORMANCE TO THE PROVISIONS OF THE APPLICABLE BUILDING CODE (SEE "DESIGN CRITERIA NOTES") AND THE METAL BUILDING "LOW-RISE BUILDING SYSTEMS MANUAL".

CLP INCUS JR. & CO. GENERAL CONTRACTORS WILLIAMS ENGINEERING ASSOCIATES, P.C. PRE-ENGINEERED METAL BUILDING DESIGN SERVICES



Project: 2230 Drawn: DRW Checked: DRW Date: 12/14/22

Revisions

Table with 2 columns: Mark, Date. Row 1: Delta, x/x/22

SHELL WAREHOUSE BUILDING- PHASE 2 NORTHGATE COMMERCE PARK 1965 NORTHGATE COMMERCE PARKWAY SUFFOLK, VIRGINIA STRUCTURAL NOTES

SHEET NO.

S-4.1